

# Draft

## County of San Diego TIF Transportation Needs Assessment Report

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*Appendix A List of ME Improvements*

*Appendix B List of Improvements Associated with Existing Roadway Deficiencies and/or Outside Growth*

*Appendix C TIF Facility Location Maps*

*Appendix D Roadway Improvement Unit Cost Sheets*

*Appendix E ME Improvement Costs For TIF and Non-TIF Improvements*

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## **1.0 Introduction**

The County of San Diego General Plan, adopted in August 2011, has necessitated the need to update the current County of San Diego Transportation Impact Fee (TIF) program to ensure consistency with the future vision of the County. Compared with the previous General Plan, the new County General Plan reflects significant changes to both the planned future land uses and the planned Mobility Element (ME) roadway network. A key step in updating the TIF program is determining the specific ME roadway improvements necessary to support future development within the unincorporated portions of the County. The TIF program is focused exclusively on those ME roadway improvements necessary to support future County development. The TIF program does not fund improvements to address existing roadway deficiencies or deficiencies associated with growth outside of the County (external regional growth and through trips).

The purpose of the Transportation Needs Assessment Report is to document the methodology employed to identify the future ME roadway improvements necessary to support future County development within the unincorporated portions of the County of San Diego. The costing of these future ME roadway improvements and the allocation of responsibilities to future development are key elements of the updated TIF program.

### **1.1 Background & Previous Program**

The objective of the TIF program is to ensure that adequate transportation facilities are available to meet the projected future access and circulation needs of the unincorporated areas. The County of San Diego adopted the inaugural TIF program in January 2005, with a subsequent update in January 2008. The TIF program was developed to provide a mechanism for future development within the unincorporated areas of the County to mitigate their cumulative impacts on the local, regional and state roadway networks.

The County's TIF program is being updated to be consistent with both the vision of the recently updated County General Plan and the requirements of CEQA regarding cumulative impacts. The TIF program will partially fund the buildup of the County ME and will provide a mechanism for future development in the unincorporated portions of the County to mitigate their associated cumulative impacts.

The updated TIF program will assign a cost to the ME roadway improvements required by future County development and will allocate that cost to future County development based on the projected number of daily vehicle miles traveled (VMT) generated by the new development.



## **1.2 Report Organization**

Following this introduction chapter, this report is organized into the following chapters:

- 2.0 *Identification of TIF Eligible Improvements* – Discusses the methodology utilized to identify TIF eligible ME roadway facilities and documents the specific ME roadway improvements eligible for TIF funding.
- 3.0 *TIF Program Costs* – Discusses the methodology utilized to develop the TIF program costs and documents the resulting ME improvement costs for each specified TIF improvement, on both County and State facilities.
- 4.0 *Summary of TIF Program Improvements and Costs* – Provides a summary of the identified TIF ME improvements and associated program costs.

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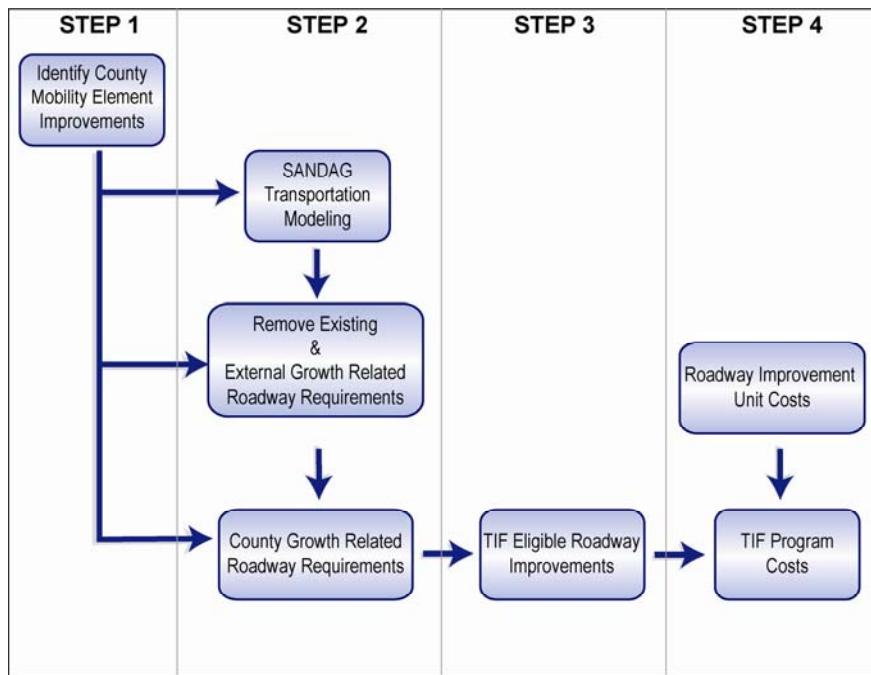


## 2.0 Identification of TIF Facilities

This chapter discusses the methodology utilized to identify TIF eligible roadway facilities and documents the resulting County ME improvements eligible for TIF funding.

### 2.1 Approach and Methodology

The TIF roadway needs assessment process is diagrammed in the flow chart below:



As shown above, the TIF eligible improvements were identified utilizing a four (4) step process:

*Step 1: ME Improvements:* Identify improvements to the existing roadway network necessary for buildup of the County ME. This establishes the list of improvements required to mitigate all existing and future development related cumulative traffic impacts under the buildup of the County's General Plan.

*Step 2: Existing and Future Outside Growth Related Impacts (E+OG):* Establish the ME improvements (from Step 1) that are required to address existing roadway deficiencies and/or roadway deficiencies associated with future growth outside of the County (external regional growth and through trips). These improvements are not eligible for funding through the TIF program.

*Step 3: TIF Eligible Improvements –* Establish TIF eligible roadway facilities and improvements by removing the improvements identified in Step 2 (related to deficiencies associated with existing traffic and external regional growth and through trips) from the overall list of ME roadway improvements established in Step 1.



*Step 4: TIF Program Costs* – Estimate improvement costs for the ME improvements identified in Step 1, as well as the improvements identified in Step 2 (E+OG improvements). TIF eligible program improvement costs were then established by subtracting the improvement costs associated with existing and future outside growth related impacts (Step 2) from the overall ME improvement costs (Step 1).

The following sections provide a detailed description of the steps outlined above.

## **2.2 County ME Roadway Improvements (Step 1)**

The County's ME was adopted in association with the updated General Plan (August 2011). The ME was designed to accommodate future traffic demands associated with the planned land uses consistent with the County's General Plan. ME roadways that were projected to operate at substandard Level of Service (LOS) E or F under buildout of the County's General Plan were documented and environmentally cleared with the adoption of the General Plan. Hence, it is assumed that buildout of the ME will accommodate the cumulative traffic impacts associated only with all future development with the County's General Plan.

A list of the roadway improvements necessary to build out the County ME was compiled by comparing, on a segment-by-segment basis, the existing roadway cross-section to the planned ME roadway classification for all ME classified roadways. The list of ME improvements is provided in **Appendix A**.

## **2.3 Improvements Related to Existing Deficiencies and Future Outside Growth (E+OG) (Step 2)**

The California Mitigation Fee Act (Government Code §§ 66000-66025) prevents money collected from new development, via an impact fee program, be used to address existing deficiencies. New development within the County is also not responsible to mitigate cumulative impacts associated with growth outside of the County. Therefore, the roadway improvements required due to existing roadway deficiencies and/or growth outside of the unincorporated County are not eligible for TIF funding. These improvements were determined utilizing the SANDAG Series 10 County of San Diego (GPU) Transportation Model. A single combined model forecast was undertaken to identify the improvements that would not be TIF eligible. The forecast model run utilized the ME roadway network and assumed existing land uses (2007) within the unincorporated County and 2030 land uses and the 2030 roadway network<sup>1</sup> throughout the rest of the region. This forecast provided the basis for identification of the combined level of required ME improvements associated with the cumulative sum of the following:

- *Existing Traffic* - Trips generated by existing County land uses as of 2007.

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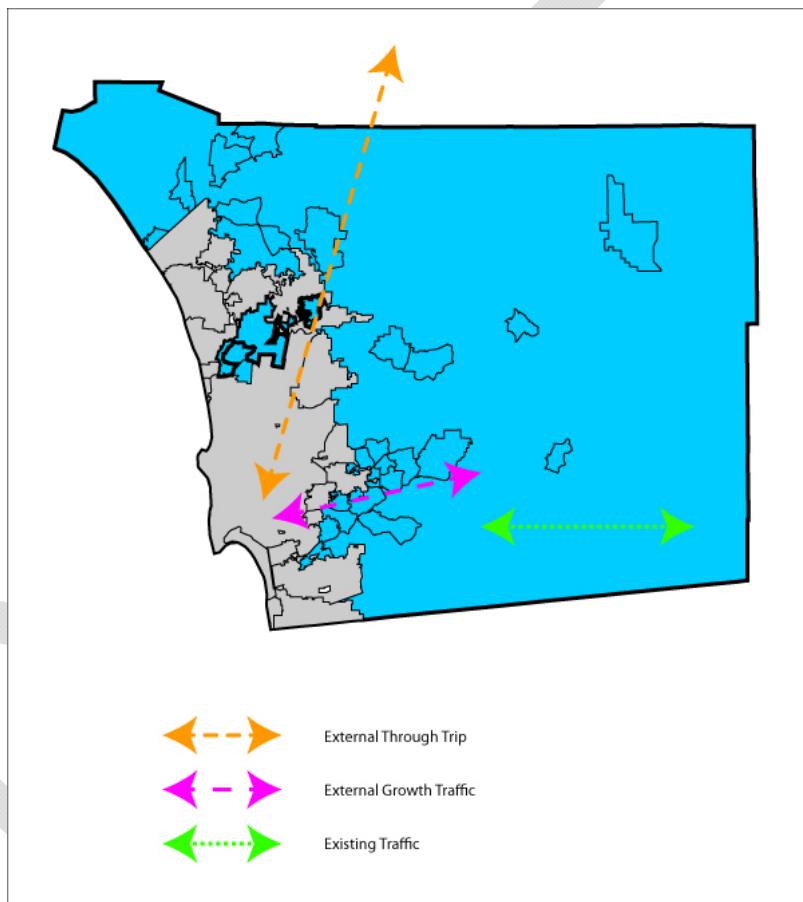
<sup>1</sup> Based on SANDAG 2050 Regional Transportation Plan (RTP), October 2011



- *Outside Growth Related Trips* - Trips on County facilities generated by future land uses outside the unincorporated County with destinations to existing land uses within the County.
- *External Through Trips* - Future trips utilizing County roadway facilities to get from one external location to another.

**Figure 2-1** displays examples of the three trip types listed above.

**Figure 2-1**  
**Examples of Excluded Trip Types**



Improvements were determined on a segment-by-segment basis for all segments operating at substandard LOS E & F. The required roadway classification was determined by comparing the forecast segment volume to the respective County roadway design capacity threshold and selecting the lowest roadway classification that would have sufficient capacity to accommodate the projected volume. However, roadway segments were not assumed to be improved beyond their planned ME classification.



**Table 2.1** displays the County's roadway segment capacity LOS standards. The combined list of ME improvements required due to existing roadway network needs and/or outside growth is provided in **Appendix B**.

**TABLE 2.1**  
**COUNTY OF SAN DIEGO**  
**ROADWAY SEGMENT DAILY CAPACITY AND LEVEL OF SERVICE STANDARDS**

No.	Travel Lanes	Design Speed	Road Classification	Level of Service (in ADT)				
				A	B	C	D	E
6.1	6	65 mph	Expressway	36,000	54,000	70,000	86,000	108,000
6.2	6	65 mph	Prime Arterial	22,200	37,000	44,600	50,000	57,000
4.1A	4	55 mph	Major Road with Raised Median	14,800	24,700	29,600	33,400	37,000
4.1B			Major Road with Intermittent Turn Lanes	13,700	22,800	27,400	30,800	34,200
4.2A	4	40 mph	Boulevard with Raised Median	5,700	12,500	19,000	27,000	32,500
4.2B			Boulevard with Intermittent Turn Lane	5,000	10,900	17,200	25,000	30,000
2.1A	2	45 mph	Community Collector with Raised Median	2,800	6,500	10,300	15,000	20,500
2.1B			Community Collector w/ Continuous Turn Lane	3,000	6,000	9,500	13,500	19,000
2.1C			Community Collector w/ Intermittent Turn Lane	3,000	6,000	9,500	13,500	19,000
2.1D			Community Collector with Improvement Options	3,000	6,000	9,500	13,500-15,000	19,000
2.1E			Community Collector	1,900	4,100	7,100	10,900	16,200
2.2A	2	40 mph	Light Collector with Raised Median	3,000	6,000	9,500	13,500	19,000
2.2B			Light Collector with Continuous Turn Lane	3,000	6,000	9,500	13,500	19,000
2.2C			Light Collector with Intermittent Turn Lanes	3,000	6,000	9,500	13,500	19,000
2.2D			Light Collector with Improvement Options	3,000	6,000	9,500	13,500	19,000
2.2E			Light Collector	1,900	4,100	7,100	10,900	16,200
2.2F			Light Collector with Reduced Shoulder	1,550	3,300	5,600	8,700	16,200
2.3A	2	35 mph	Minor Collector with Raised Median	1,400	3,000	5,100	8,000	12,900
2.3B			Minor Collector with Intermittent Turn Lane	1,400	3,000	5,100	8,000	12,900
2.3C			Minor Collector	1,350	2,700	4,500	7,000	11,300

Source: County of San Diego Public Road Standards, March 2010

Other revenue sources will be required to fund ME improvements associated with existing roadway network needs, external through trips and/or outside growth. Sources of additional revenue may include:

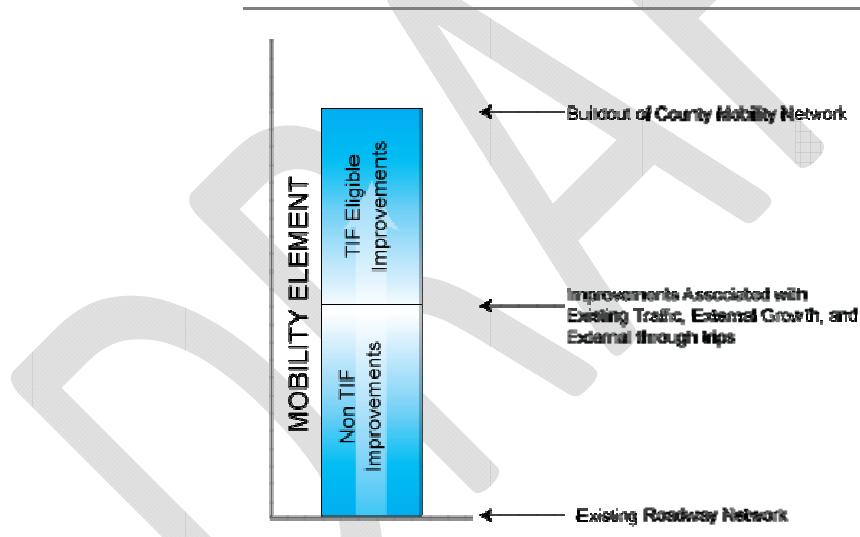


- Gas Tax
- TransNet (region wide ½ cent sales tax administered by SANDAG)
- State and federal grant monies
- County Service Area funding
- Community Services District funding
- Special assessments

## 2.4 TIF Eligible Roadway Improvements (Step 3)

TIF eligible improvements were determined by comparing the list of improvements associated with existing roadway network needs and/or growth outside of the County (Step 2) to the total list of improvements necessary to build out the County ME (Step 1). Improvements necessary to build out the County ME that are not associated with existing roadway network needs and/or growth outside of the County would be eligible for TIF funding, as displayed in **Figure 2-2**.

**Figure 2-2**  
**Definition of TIF Facilities**



**Tables 2.2 and 2.3** display the resulting County and State roadway facilities, respectively, that would be eligible for TIF funding. The tables display the classification that would be required due to existing deficiencies and/or outside growth (E+OG), as well as the ultimate ME roadway classification. Improvements that would be necessary to improve a roadway from the classification required due to existing deficiencies and/or outside growth to the roadways planned ME classification are considered to be TIF eligible.

**Appendix C** provides maps in which graphically display the location of the identified TIF eligible facilities.



**TABLE 2.2**  
**TIF ELIGIBLE FACILITIES (COUNTY)**

CPA	Name	Segment <sup>1</sup>		E+OG <sup>2</sup> Required Class	ME Class
		To	From		
<b><i>South</i></b>					
<b>Alpine</b>	Alpine Blvd	Ramp I-8 EB	Arnold Wy	2.2C	4.1B
	Alpine Blvd	Tavern Rd	Alpine Elementary	2.2E	2.2A
	Alpine Blvd	Louis Rd	E Victoria Dr	2.2E	2.2A
	Arnold Wy	Tavern Rd	West Victoria Dr	2.2E	2.2A
	Harbison Canyon Rd	Arnold Wy	Bullard Ln	2.2E	2.2A
	Old Highway 80	Silva Rd	Dunbar Ln	2.2E	2.2B
	Tavern Rd	Taberna Vista Wy	Ramp I-8 WB	2.2C	4.1A
	Tavern Rd	Ramp I-8 WB	Alpine Blvd	4.1B	4.1A
	Tavern Rd	Alpine Blvd	Arnold Wy	4.1B	4.1A
	Victoria Dr	Quail Creek Pl	West Victoria Dr	2.2E	2.2A
	Victoria Dr	Tavern Road	Gentian	2.2E	2.2A
	Willows Rd	Ramp I-8 WB	Ramp I-8 EB	4.1B	4.1A
	Willows Rd	Ramp I-8 EB	Alpine Blvd	2.2E	4.1A
<b>County Islands</b>	Euclid	24th St	Ridgeway Dr	4.1B	4.1A
	Euclid	Ridgeway Dr	Sweetwater Rd	4.1B	4.1A
<b>Crest-Dehesa</b>	Dehesa Rd	Granite Hills Dr	Willow Glen Dr	2.2C	4.1B
	Dehesa Rd	Willow Glen Dr	Sycuan Summit Dr	2.1A	4.1B
	Granite Hills Dr	Washington Ave	04th St	2.2E	4.1B
	Greenfield Dr	La Cresta Rd	Madison Ave	2.2E	4.1B
<b>Jamul-Dulzura</b>	Jefferson Rd	Lyons Valley Rd	Proctor Valley Rd	2.2E	2.2A
	Steele Canyon Rd	Old California Wy	Campo Rd	2.2E	4.1B
<b>Lakeside</b>	Ashwood	Willow DR	Mapleview St	4.1B	4.1A
	Ballantyne St	Graves Ave	Hart Dr	2.2E	4.2B
	Ballantyne St	Hart Dr	Broadway	2.2C	4.2B
	I-8 Business	Lavala	Lake Jennings Park	2.2E	4.2B
	Industry Rd	Winter Gardens Blvd	Mapleview St	2.2E	4.1A
	Lake Jennings Park Rd	Mapleview St	El Monte Rd	4.1B	4.1A
	Mapleview St	Channel Rd	Ramp SR-67 SB	2.2C	4.1A
	Mapleview St	Ashwood St	Lake Jennings Park Rd	4.1B	4.1A
	Mapleview St	Industry Rd	Channel Rd	2.2E	4.1A
	Mast Blvd	City of Santee	Riverford Rd	2.2C	4.1B
	Old Highway 80	Pecan Park Ln	Chimney Rock Ln	2.1A	4.1B
	Old Highway 80	Chimney Rock Ln	Marina Springs Ln	2.2E	4.1B



**TABLE 2.2**  
**TIF ELIGIBLE FACILITIES (COUNTY)**

CPA	Name	Segment <sup>1</sup>		E+OG <sup>2</sup> Required Class	ME Class
		To	From		
<b>Lakeside (Continued)</b>	Old Highway 80	Marina Springs Ln	Dunbar Ln	2.2E	2.2B
	Riverford Rd	Ramp SR-67 SB	Woodside Ave	2.2C	4.1B
	Riverford Rd	Mast Blvd	Ramp SR-67 SB	2.1A	6.2
	Riverside Dr	Riverford Rd	Vista Camino	2.1A	4.1B
	Riverside Dr	Vista Camino	Lakeside Ave	2.2C	4.1B
	Sierra Alta Wy	Old Highway 80	Ramp I-8 EB	2.2E	4.1B
	Winter Gardens Blvd	Industry Rd	SR-67	4.1B	4.1A
	Winter Gardens Blvd	Ramp SR-67 SB	Pepper Dr	4.1B	4.1A
	Woodside Ave	Riverford Rd	Marilla Dr	2.2C	4.2A
	Woodside Ave	Marilla Dr	Winter Gardens Blvd	2.2E	4.2A
<b>Otay</b>	Airway Rd	Faraday Dr	Lone Star Rd	2.2E	4.1A
	Alta Rd	Lone Star Rd	Siempre Viva Rd	2.2E	4.1A
	Enrico Fermi Dr	Otay Mesa Rd	Siempre Viva Rd	2.2C	4.1A
	La Media Rd	City of Chula Vista	City of San Diego	4.1B	6.2
	Lonestar Rd	Paseo De Las America	Otay Mesa Rd	2.2E	4.1A
	Ellis Road	Lonestar Rd	Harvest Rd	2.2E	4.1A
	Otay Lakes Rd	Chula Vista City Limits	Village 13 Driveway#2	2.2E	4.1B
	Otay Mesa Rd	Sanyo Ave	Enrico Fermi Dr	4.1B	6.2
	Otay Mesa Rd	Enrico Fermi Dr	Alta Rd	2.2C	4.1A
	Siempre Viva Rd	Alta Rd	Airway Rd	2.2E	4.1A
<b>Spring Valley</b>	Campo Rd	Broadway	Ramp SR-125 NB	4.1B	4.1A
	Campo Rd	Sweetwater Springs Blvd	Sweetwater Springs Blvd	4.1B	4.1A
	Campo Rd	Ramp SR-125 NB	Terrace Dr	2.2E	4.1A
	Jamacha Blvd	Kempton St	La Presa Ave	4.1B	4.1A
	Jamacha Blvd	La Presa Ave	Sweetwater Springs Blvd	4.1B	4.1A
	Jamacha Blvd	Sweetwater Springs Blvd	SR-54	4.1B	4.1A
	Sweetwater Springs Blvd	Ramp SR-94 EB	Jamacha Blvd	4.1B	4.1A
	Sweetwater Rd	Paradise Valley Rd	Jamacha Blvd	2.2C	4.1A
<b>Valle De Oro</b>	Bancroft Dr	Grossmont Summit Dr	Lemon Ave	2.2E	4.2B
	Campo Rd	Kenwood Dr	Bancroft Dr	2.2E	4.1B
	Chase Ave	Rancho Valle Ct	Fuerte Dr	2.2C	4.1B
	Jamacha Boulevard	SR-54	SR-94	4.1B	4.1A
	Jamacha Road	Van Vechten	Chase Ave	4.1B	4.1A
	Jamacha Road	Chase Ave	Calle Albara	4.1B	6.2



**TABLE 2.2**  
**TIF ELIGIBLE FACILITIES (COUNTY)**

CPA	Name	Segment <sup>1</sup>		E+OG <sup>2</sup> Required Class	ME Class
		To	From		
<b>Valle De Oro (Continued)</b>	Jamacha Road	Calle Albara	Hilton Head Rd	4.1A	6.2
	Steele Canyon Rd	Par 4 Dr	Jamul Dr	2.2C	4.1B
	Steele Canyon Rd	Jamul Dr	CPA Boundary	2.2E	4.1B
	Willow Glen Dr	Hillsdale Rd	Steele Canyon Rd	2.2C	4.1B
<b>North</b>					
<b>Bonsall</b>	Champagne Blvd	Old Castle Rd	CPA Boundary	2.1A	4.1B
	East Vista Way	Mission Ave	Gopher Canyon Rd	2.2C	4.1A
	East Vista Way	Gopher Canyon Rd	Barsby St	4.1B	4.1A
	Gopher Canyon Rd	Ormsby St	Ramp I-15 SB	2.1A	4.1B
	Gopher Canyon Rd	Ramp I-15 SB	Old Highway 395	2.2C	4.1B
	Melrose Dr	CPA Boundary	Santa Fe Ave	4.1A	6.2
	North River Rd	CPA Boundary	Mission Ave	2.2C	4.1B
	Old Highway 395	West Lilac Rd	Ramp I-15 SB	2.2C	4.2B
	Old Highway 395	Ramp I-15 SB	Cam Del Rey	2.2C	4.1B
	Osborne St	CPA Boundary	East Vista Way	2.2E	2.2A
	West Lilac Rd	Olivehill Rd	Old River Rd	2.2C	4.2B
	West Lilac Rd	Old River Rd	Cam Del Rey	2.2E	4.2B
<b>Fallbrook</b>	Fallbrook	Mission Rd	Main Street	2.2E	2.2B
	Fallbrook	Morro Rd	Magarian Rd	2.2E	2.2B
	Old 395	Canonita	Tecalote	2.2C	2.1A
	Old Highway 395	Pala Mesa Dr	Via Belmonte	2.1A	4.2B
	Pala Mesa Dr	Old Highway 395	Pankey Rd	2.2E	2.1A
	Pankey	Pala Mesa	Citrano Ln	2.2E	2.1A
	Pankey	Citrano Ln	Pala/SR-76	2.2E	2.1A
	Horse Ranch Creek Rd	Stewart Canyon Rd	Pala/SR-76	2.2E	4.2A
	Reche Rd	Stage Coach Ln	Green Canyon Rd	2.2E	2.2B
	Stage Coach Ln	Mission Rd	Reche Rd	2.2E	2.2B
	Stewart Canyon Rd	Old Highway 395	Horse Ranch Creek Rd	2.2E	4.1B
<b>North County Metro</b>	Bear Valley Parkway	Boyle Ave	Old Spanish Tr	4.1B	4.1A
	Champagne Blvd	Old Castle Rd	Lawrence Welk Dr	2.1A	4.1B
	Citracado Pkwy	Kauana Loa Dr	Bernardo Ave	2.1A	4.1A
	Citracado Pkwy	Bernardo Ave	Ramp I-15 SB	4.1B	4.1A
	El Norte Pkwy	Rees Rd	Nutmeg St/Nordahl Rd	4.1B	4.1A
	Harmony Grove Rd	Country Club Dr	Citracado Pkwy	2.2E	2.2B



**TABLE 2.2**  
**TIF ELIGIBLE FACILITIES (COUNTY)**

CPA	Name	Segment <sup>1</sup>		E+OG <sup>2</sup> Required Class	ME Class
		To	From		
<b>North County Metro (Continued)</b>	Mar Vista Dr	Buena Vista Dr	Cannon Rd	2.2E	2.2B
	Monte Vista Dr	CPA Limits	Foothill Dr	2.2E	4.1B
	N Centre City Parkway	Champagne Blvd	Jesmond Dene Rd	2.2C	4.1B
	Rock Springs Rd	Nordahl Rd	Deodar Rd	2.2C	4.1B
	Rock Springs Rd	Deodar Rd	Borden Rd	2.1A	4.1B
	South Santa Fe Ave	Montgomery Dr	Smilax Rd	4.1B	4.1A
	Via Rancho	Via Loma Vista	Felicia Pkwy	2.2C	4.1A
	Via Rancho Parkway	Felicia Rd	Montesano Rd	4.1B	4.1A
	Via Rancho Parkway	Del Dios Hwy	Felicia Rd	2.2E	4.1A
	San Pasqual Rd	Old Pasqual	Viento Valle	2.1A	4.1B
<b>San Dieguito</b>	El Apajo	Via De Santa Fe	San Dieguito Rd	2.2C	2.1A
	Paseo Delicias	La Granada	Linea Del Cielo	2.2E	2.2A
	San Dieguito Rd	CPA Limits	Winland Hills Drive	2.2E	4.1A
	San Dieguito	El Apajo	Calle Del Nid	2.2E	4.1A
<b>Valley Center</b>	Old Highway 395	Old Castle Rd	CPA Boundary	2.1A	4.1B
	Cole Grade Rd	Fruitvale Rd	Valley Center Rd	2.2E	4.2A
	Lilac Rd	Anthony Rd	Cypress Rd	2.2E	4.2B
	Old Highway 395	CPA Boundary	Cam Del Rey	2.2C	4.1B
	Valley Center Rd	Wilhite Ln	Vesper Rd	2.2C	4.2A
<b>East</b>					
<b>Desert</b>	Tilting T Dr	Di Giorgio Rd	Borrego Valley Rd	2.2E	2.2B
<b>Ramona</b>	Highland Valley	CPA Boundary	Archie Moore Rd	2.2E	2.2A

Source: Fehr & Peers, March 2012

**Notes:**

<sup>1</sup>To-From segment extents are to the nearest cross street which may not exactly match the identified segment length.

<sup>2</sup> E+OG: Improvements required due to existing deficiencies, external through trips and/or outside growth



**TABLE 2.3**  
**TIF ELIGIBLE FACILITIES (STATE)**

CPA	Name	Segment <sup>1</sup>		E+OG <sup>2</sup> Required Class	ME Class
		To	From		
<b>South</b>					
<b>Jamul-Dulzura</b>	SR-94	CPA Boundary	Jefferson Rd	4.1B	4.1A
	SR-94	Jefferson Rd	Melody Rd	2.2C	4.1A
	SR-94	Campo Rd	Campo Rd	4.1B	4.1A
<b>Valle De Oro</b>	SR-94	Singer Ln	CPA Boundary	4.1B	4.1A
<b>North</b>					
<b>Fallbrook</b>	SR-76	Granit Quarry Entrance	Couser Canyon Rd	4.1B	4.1A
	SR-76	Pankey Rd	Granit Quarry Entrance	4.1B	4.1A
<b>North County Metro</b>	SR-76	17th St	Bear Valley Rd	2.2C	4.1B
	SR-76	Bear Valley Rd	Old San Pasqual Rd	2.2C	4.1A
<b>East</b>					
<b>Mountain Empire</b>	SR-188	SR-94	International Boarder	2.2E	4.1A
<b>Ramona</b>	SR-67	Dye Rd	Boundary Ave	4.1B	4.1A
	SR-67	Mussey Grade Rd	Archie Moore Rd	4.1B	4.1A

Source: Fehr & Peers, March 2012

**Notes:**

<sup>1</sup>To-From segment extents are to the nearest cross street which may not exactly match the identified segment length.

<sup>2</sup> E+OG: Improvements required due to existing deficiencies, external through trips and/or outside growth

## 2.5 TIF program Costs (Step 4)

The total program improvement costs were first estimated for the roadway improvements necessary to buildout the County ME (Step 1). Improvement costs were also estimated for the identified improvements related to deficiencies associated with existing roadway deficiencies and external regional growth (Step 2). TIF eligible program improvement costs were established by subtracting the improvement costs associated with existing and future outside growth related impacts (Step 2) from the overall ME improvement costs (Step 1). A more detailed description of the costing methodology as well as the estimated individual facility and total program improvement costs are provided in Chapter 3.0.

## 2.6 Interchange Improvements

Future County development is also projected to have a cumulative impact on a number of freeway ramp interchanges. As part of the TIF program, County new development would be responsible for a fair-share contribution to the improvement of these interchanges in the future. **Table 2.4** displays the location of the freeway interchanges, identified by the County, which would be



impacted by future County development and the associated fair-share contribution. The fair-share contribution was determined by comparing daily ramp volume outputs from the forecast utilized to determine outside growth to the SANDAG Series 10 Year 2030 transportation forecast.

**TABLE 2.4**  
**TIF ELIGIBLE INTERCHANGE IMPROVEMENTS**

Interchange	Future County Development Fair-Share Contribution
I-8 EB/Lake Jennings Park Rd	15.7%
I-8 WB/Lake Jennings Park Rd	20.4%
I-8 EB/Dunbar Ln	55.5%
I-8 WB/Dunbar Ln	46.7%
I-8 EB/Tavern Rd	24.8%
I-8 WB/Tavern Rd	35.8%
I-8 EB/W. Willows Rd	13.3%
I-8 WB/W. Willows Rd	12.1%
SR-67 NB/Bradley Ave	2.0%
SR-67 SB/Bradley Ave	2.2%
SR-67 NB/Winter Gardens Blvd	5.3%
SR-67 SB/Winter Gardens Blvd	4.8%
SR-67 NB/Riverford Rd	32.4%
SR-67 SB/Riverford Rd	29.1%
SR-67 NB/Mapleview St	4.0%
SR-67 SB/Mapleview St	3.9%
SR-94 EB/Sweetwater Springs Blvd	9.2%
SR-94 WB/Sweetwater Springs Blvd	9.9%
I-15 NB/E. Mission Rd	19.0%
I-15 SB/E. Mission Rd	13.0%
I-15 NB/Gopher Canyon Rd	32.6%
I-15 SB/Gopher Canyon Rd	24.2%
I-15 NB/Deer Springs Rd	22.4%
I-15 SB/Deer Springs Rd	21.8%
I-15 NB/SR-76	12.3%
I-15 SB/ SR-76	17.2%

Source: County of San Diego / Fehr & Peers, March 2012



## **3.0 TIF Program Costs**

This chapter documents the improvement costs for each identified TIF improvement on County and State facilities.

### **3.1 Roadway Facility Type**

For the purposes of costing and allocation of fees, the identified TIF facilities were categorized into the following facility types:

- *State Facilities* - including any facility within the unincorporated County of San Diego which is under the jurisdiction of Caltrans.
- *Regional Arterial System (RAS)* – including any facility identified in SANDAG Regional Transportation Plan (RTP).
- *Regional Facilities* - larger arterial roadways predominantly used by regional traffic.
- *Local Facilities* - smaller collectors predominantly used by local traffic.

The roadway facility types were assigned using the following criteria:

- Jurisdictional responsibility
- County ME roadway classification
- Inclusion in SANDAG regional arterial program

#### **State Facilities**

State facilities include any roadway facility within the unincorporated County of San Diego that is under the jurisdiction of Caltrans.

#### **RAS Facilities**

Regional Arterial System (RAS) facilities are facilities under the jurisdiction of the County of San Diego which are identified in SANDAG Regional Transportation Plan (RTP), October 2011, as being regionally significant.

#### **County Regional Facilities**

Regional facilities are defined as roadway facilities under the jurisdiction of the County of San Diego; classified by the County's ME as having four or more lanes (4.2B and above); and are not included in SANDAG's regional arterial program.

#### **Local Facilities**

Local facilities are defined as roadway facilities under the jurisdiction of the County of San Diego; classified by the County's ME as having two lanes (2.1A and below); and are not included in SANDAG's regional arterial program.



### **3.2 Roadway Improvement Unit Costs**

Unit costs were developed by calculating the cost to upgrade a typical mile of an existing roadway cross-section to an upgraded (capacity wise) cross-section. The unit cost was then applied to the length of the roadway segment that was identified for improvement.

Roadway improvement unit costs assumed the following expenses:

- Right-of-Way Acquisition
- Median Improvements
- Pavement Overlays
- Drainage
- Signing & Striping
- Water Pollution Control
- Mobilization
- Traffic Control
- Utility Relocations
- Other Minor Improvements

It should be noted that the TIF is a programmatic collection of funds with broad assumptions and actual costs for specific improvements could vary based upon more detailed assessments of the right-of-way requirements, relocation / land acquisition costs, topography and environmental conditions. The improvement unit cost assumptions are summarized in **Table 3.1**, with additional backup details' provided in **Appendix D**.

#### *Example Improvement Cost Calculation*

Segment: Tavern Road between I-8 WB and Alpine Boulevard

**Step 1:**Find Functional Classification: Town Collector

**Step 2:**Find desired improvement classification: 4.1A (ME Classification)

**Step 3:**To find projected improvement cost, match the Functional Classification in far left column of Table 3.1 to improved classification in the top row of the table: Town Collector → 4.1A = \$7.98 Million/Mile

### **3.3 TIF Eligible Roadway Improvement Costs**

The roadway improvement unit costs outlined in the previous section were applied to the identified TIF eligible improvements displayed in Tables 2.2 and 2.3. **Tables 3.2 and 3.3** summarize the cost associated with each TIF eligible improvement on a segment-by-segment basis for the identified County and State facilities, respectively. TIF costs were derived by subtracting the cost associated with improvements required due to existing transportation network needs and outside growth (E+OG) from the overall ME improvement cost. A complete list of the ME improvement costs for both TIF and Non-TIF improvements is provided in **Appendix E**.



**TABLE 3.1**  
**IMPROVEMENT UNIT COST ASSUMPTIONS<sup>1</sup>**

	<b>6.1</b>	<b>Expressway</b>										
	<b>6.2</b>	<b>Prime Arterial</b>										
	<b>4.1A</b>	<b>Major Road with Raised Median</b>										
	<b>4.1B</b>	<b>Major Road with Intermittent Turn Lanes</b>										
	<b>4.2A</b>	<b>Boulevard with Raised Median</b>										
	<b>4.2B</b>	<b>Boulevard with Intermittent Turn Lanes</b>										
	<b>2.1A</b>	<b>Community Collector with Raised Median</b>										
	<b>2.1B</b>	<b>Community Collector w/ Continuous Turn Lane</b>										
	<b>2.1C</b>	<b>Community Collector w/ Intermittent Turn Lanes</b>										
	<b>2.1D</b>	<b>Community Collector with Improvement Options</b>										
	<b>2.1E</b>	<b>Community Collector</b>										
	<b>2.2A</b>	<b>Light Collector with Raised Median</b>										
	<b>2.2B</b>	<b>Light Collector w/ Continuous Turn Lane</b>										
	<b>2.2C</b>	<b>Light Collector w/ Intermittent Turn Lanes</b>										
	<b>2.2D</b>	<b>Light Collector with Improvement Options</b>										
	<b>2.2E</b>	<b>Light Collector</b>										
	<b>Existing Cross-Section<sup>3</sup></b>											
<b>Prime</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.33
<b>Major</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15.77
<b>Collector</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4.82	\$12.96
<b>Town Collector</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.88	\$3.93	\$7.71	\$3.73
<b>Light Collector</b>	\$0.00	\$0.00	\$0.00	\$3.39	\$4.89	\$0.00	\$0.00	\$0.00	\$3.68	\$4.09	\$7.11	\$10.97
<b>New Facility</b>	\$12.75	\$15.76	\$12.76	\$16.21	\$16.21	\$12.27	\$12.27	\$12.27	\$15.72	\$13.97	\$19.24	\$20.85

Source: AECOM, January 2012

**Notes:**

<sup>1</sup> Unit costs are defined in centerline miles

<sup>2</sup> Unit costs are displayed in Millions of dollars (2012 Dollars)

<sup>3</sup> Existing cross-section details are provided in Appendix D



Example TIF Cost Calculation: Tavern Road between I-8 WB and Alpine Boulevard. Length: 0.27 Miles

**Step 1: E+G Improvement Cost**

Unit Cost: Town Collector → 4.1B = \$3.73 Million/Mile (Table 3.1)  
Improvement Cost: 0.27 Miles x \$3.73 Million/Mile = \$1.01 Million

**Step 2: ME Improvement Cost**

Unit Cost: Town Collector → 4.1A = \$7.98 Million/Mile (Table 3.1)  
Improvement Cost: 0.27 Miles x \$7.98 Million/Mile = \$2.16 Million

**Step 3: TIF Improvement Cost**

TIF Cost = ME Improvement Cost – E+G Improvement Cost  
\$2.16 Million - \$1.01 Million = \$1.15 Million

**From Table 2.2**

*Functional Class:* Town Collector  
*E+G Class:* 4.1B  
*ME Class:* 4.1A

**TABLE 3.2**  
**TIF ELIGIBLE PROGRAM COST (COUNTY)**  
**COST IN MILLIONS (2012 DOLLARS)**

CPA	Name	Segment <sup>1</sup>		Facility Type	Segment Length (Miles)	E+OG Cost <sup>2</sup>	ME Cost <sup>3</sup>	TIF Cost <sup>4</sup>	TIF % <sup>5</sup>
		To	From						
<b>South</b>									
Alpine	Alpine Blvd	Ramp I-8 EB	Arnold Wy	RAS	0.66	\$0.00	\$4.66	\$4.66	100.0%
	Alpine Blvd	Tavern Rd	Alpine Elementary	RAS	0.22	\$0.00	\$1.08	\$1.08	100.0%
	Alpine Blvd	Louis Rd	E Victoria Dr	RAS	0.26	\$0.00	\$1.27	\$1.27	100.0%
	Arnold Wy	Tavern Rd	West Victoria Dr	Local	0.53	\$0.00	\$2.59	\$2.59	100.0%
	Harbison Canyon Rd	Arnold Wy	Bullard Ln	Local	0.67	\$0.00	\$3.28	\$3.28	100.0%
	Old Highway 80	Silva Rd	Dunbar Ln	Local	0.27	\$0.00	\$0.92	\$0.92	100.0%
	Tavern Rd	Taberna Vista Wy	Ramp I-8 WB	Regional	0.63	\$0.00	\$5.03	\$5.03	100.0%
	Tavern Rd	Ramp I-8 WB	Alpine Blvd	Regional	0.27	\$1.01	\$2.16	\$1.15	53.3%
	Tavern Rd	Alpine Blvd	Arnold Wy	Regional	0.27	\$0.00	\$1.30	\$1.30	100.0%
	Victoria Dr	Quail Creek Pl	West Victoria Dr	Local	0.25	\$0.00	\$1.22	\$1.22	100.0%
	Victoria Dr	Tavern Road	Gentian	Local	0.40	\$5.10	\$6.48	\$1.38	21.3%



**TABLE 3.2**  
**TIF ELIGIBLE PROGRAM COST (COUNTY)**  
**COST IN MILLIONS (2012 DOLLARS)**

CPA	Name	Segment <sup>1</sup>		Facility Type	Segment Length (Miles)	E+OG Cost <sup>2</sup>	ME Cost <sup>3</sup>	TIF Cost <sup>4</sup>	TIF % <sup>5</sup>
		To	From						
<b>Alpine (Continued)</b>	Willows Rd	Ramp I-8 WB	Ramp I-8 EB	RAS	0.12	\$0.00	\$0.58	\$0.58	100.0%
	Willows Rd	Ramp I-8 EB	Alpine Blvd	RAS	0.03	\$0.00	\$0.34	\$0.34	100.0%
<b>County Islands</b>	Euclid	24th St	Ridgeway Dr	RAS	0.18	\$0.00	\$0.87	\$0.87	100.0%
	Euclid	Ridgeway Dr	Sweetwater Rd	RAS	0.33	\$2.33	\$3.75	\$1.42	38.0%
<b>Crest-Dehesa</b>	Dehesa Rd	Granite Hills Dr	Willow Glen Dr	RAS	1.69	\$0.00	\$11.96	\$11.96	100.0%
	Dehesa Rd	Willow Glen Dr	Sycuan Summit Dr	RAS	3.95	\$16.17	\$27.88	\$11.70	42.0%
	Granite Hills Dr	Washington Ave	04th St	Regional	0.73	\$0.00	\$5.15	\$5.15	100.0%
	Greenfield Dr	La Cresta Rd	Madison Ave	Regional	0.47	\$0.00	\$3.32	\$3.32	100.0%
<b>Jamul-Dulzura</b>	Jefferson Rd	Lyons Valley Rd	Proctor Valley Rd	Local	0.39	\$0.00	\$1.91	\$1.91	100.0%
	Steele Canyon Rd	Old California Wy	Campo Rd	Regional	0.46	\$0.00	\$3.25	\$3.25	100.0%
<b>Lakeside</b>	Ashwood	Willow DR	Mapleview St	Regional	0.99	\$6.99	\$11.26	\$4.27	38.0%
	Ballantyne St	Graves Ave	Hart Dr	Regional	0.13	\$0.00	\$0.92	\$0.92	100.0%
	Ballantyne St	Hart Dr	Broadway	Regional	0.07	\$0.00	\$0.50	\$0.50	100.0%
	I-8 Business	Lavalta	Lake Jennings Park	Regional	2.64	\$0.00	\$18.77	\$18.77	100.0%
	Industry Rd	Winter Gardens Blvd	Mapleview St	Regional	0.06	\$0.00	\$0.68	\$0.68	100.0%
	Lake Jennings Park Rd	Mapleview St	El Monte Rd	RAS	0.79	\$0.00	\$3.81	\$3.81	100.0%
	Mapleview St	Channel Rd	Ramp SR-67 SB	Regional	0.17	\$0.00	\$1.93	\$1.93	100.0%
	Mapleview St	Ashwood St	Lake Jennings Park Rd	RAS	0.32	\$0.00	\$1.54	\$1.54	100.0%
	Mapleview St	Industry Rd	Channel Rd	Regional	0.39	\$4.97	\$8.85	\$3.88	43.8%
	Mast Blvd	City of Santee	Riverford Rd	Regional	0.60	\$7.65	\$12.34	\$4.68	38.0%
	Old Highway 80	Pecan Park Ln	Chimney Rock Ln	Regional	0.74	\$3.03	\$5.22	\$2.19	42.0%
	Old Highway 80	Chimney Rock Ln	Marina Springs Ln	Regional	0.39	\$0.00	\$2.75	\$2.75	100.0%



**TABLE 3.2**  
**TIF ELIGIBLE PROGRAM COST (COUNTY)**  
**COST IN MILLIONS (2012 DOLLARS)**

CPA	Name	Segment <sup>1</sup>		Facility Type	Segment Length (Miles)	E+OG Cost <sup>2</sup>	ME Cost <sup>3</sup>	TIF Cost <sup>4</sup>	TIF % <sup>5</sup>
		To	From						
<b>Lakeside (Continued)</b>	Old Highway 80	Marina Springs Ln	Dunbar Ln	Local	2.38	\$0.00	\$8.08	\$8.08	100.0%
	Riverford Rd	Ramp SR-67 SB	Woodside Ave	Regional	0.09	\$0.00	\$0.34	\$0.34	100.0%
	Riverford Rd	Riverside Dr/Mast Blvd	Ramp SR-67 SB	Regional	0.36	\$0.32	\$8.01	\$7.69	96.0%
	Riverside Dr	Riverford Rd	Vista Camino	Regional	0.58	\$2.01	\$3.79	\$1.79	47.1%
	Riverside Dr	Vista Camino	Lakeside Ave	Regional	0.50	\$0.00	\$3.53	\$3.53	100.0%
	Sierra Alta Wy	Old Highway 80	Ramp I-8 EB	RAS	0.06	\$0.00	\$0.42	\$0.42	100.0%
	Winter Gardens Blvd	Industry Rd	SR-67	Regional	0.03	\$0.00	\$0.14	\$0.14	100.0%
	Winter Gardens Blvd	Ramp SR-67 SB	Pepper Dr	RAS	2.26	\$0.00	\$10.89	\$10.89	100.0%
	Woodside Ave	Riverford Rd	Marilla Dr	Regional	0.36	\$0.00	\$3.95	\$3.95	100.0%
	Woodside Ave	Marilla Dr	Winter Gardens Blvd	Regional	0.56	\$0.00	\$6.14	\$6.14	100.0%
<b>Otay<sup>6</sup></b>	Airway Rd	Faraday Dr	Lone Star Rd	Regional	1.10	\$2.90	\$6.20	\$3.30	53.2%
	Alta Rd	Lone Star Rd	Siempre Viva Rd	Regional	1.02	\$3.54	\$7.96	\$4.42	55.5%
	Enrico Fermi Dr	Otay Mesa Rd	Siempre Viva Rd	Regional	1.33	\$0.76	\$6.50	\$5.74	88.3%
	La Media Rd	City of Chula Vista	City of San Diego	Regional	0.32	\$2.27	\$3.45	\$1.18	34.2%
	Lonestar Rd	Paseo De Las America	Otay Mesa Rd	RAS	3.64	\$16.51	\$31.59	\$15.08	47.7%
	Ellis Road	Lonestar Rd	Harvest Rd	Regional	0.87	\$4.24	\$7.96	\$3.72	46.7%
	Otay Lakes Rd	Chula Vista City Limits	Village 13 Drwy#2	RAS	2.11	\$0.00	\$14.89	\$14.89	100.0%
	Otay Mesa Rd	Sanyo Ave	Enrico Fermi Dr	RAS	0.49	\$0.82	\$3.19	\$2.37	74.3%
	Otay Mesa Rd	Enrico Fermi Dr	Alta Rd	RAS	0.51	\$0.82	\$3.19	\$2.37	74.3%
	Siempre Viva Rd	Alta Rd	Airway Rd	RAS	0.78	\$2.56	\$5.30	\$2.74	51.7%



**TABLE 3.2**  
**TIF ELIGIBLE PROGRAM COST (COUNTY)**  
**COST IN MILLIONS (2012 DOLLARS)**

CPA	Name	Segment <sup>1</sup>		Facility Type	Segment Length (Miles)	E+OG Cost <sup>2</sup>	ME Cost <sup>3</sup>	TIF Cost <sup>4</sup>	TIF % <sup>5</sup>
		To	From						
<b>Spring Valley</b>	Campo Rd	Broadway	Ramp SR-125 NB Sweetwater Springs Blvd	RAS	0.07	\$0.00	\$0.34	\$0.34	100.0%
	Campo Rd	Sweetwater Springs Blvd	Blvd	RAS	0.09	\$0.00	\$0.43	\$0.43	100.0%
	Campo Rd	Ramp SR-125 NB	Terrace Dr	RAS	0.22	\$0.00	\$2.50	\$2.50	100.0%
	Jamacha Blvd	Kempton St	La Presa Ave	RAS	0.50	\$0.00	\$2.41	\$2.41	100.0%
	Jamacha Blvd	La Presa Ave	Sweetwater Springs Blvd	RAS	2.00	\$7.46	\$15.97	\$8.51	53.3%
	Jamacha Blvd	Sweetwater Springs Blvd	SR-54	RAS	0.89	\$0.00	\$4.29	\$4.29	100.0%
	Sweetwater Springs Blvd	Ramp SR-94 EB	Jamacha Blvd	RAS	1.33	\$0.00	\$6.41	\$6.41	100.0%
	Sweetwater Rd	Paradise Valley Rd	Jamacha Blvd	RAS	0.04	\$0.00	\$0.46	\$0.46	100.0%
<b>Valle De Oro</b>	Bancroft Dr	Grossmont Summit Dr	Lemon Ave	Regional	0.05	\$0.00	\$0.36	\$0.36	100.0%
	Campo Rd	Kenwood Dr	Bancroft Dr	RAS	0.25	\$0.00	\$1.76	\$1.76	100.0%
	Chase Ave	Rancho Valle Ct	Fuerte Dr	Regional	1.06	\$0.00	\$7.48	\$7.48	100.0%
	Jamacha Boulevard	SR-54	SR-94	RAS	0.59	\$0.00	\$2.84	\$2.84	100.0%
	Jamacha Road	Van Vechten	Chase Ave	RAS	0.49	\$0.00	\$2.36	\$2.36	100.0%
	Jamacha Road	Chase Ave	Calle Albara	RAS	1.09	\$0.00	\$14.13	\$14.13	100.0%
	Jamacha Road	Calle Albara	Hilton Head Rd	RAS	0.47	\$0.00	\$3.59	\$3.59	100.0%
	Steele Canyon Rd	Par 4 Dr	Jamul Dr	Regional	0.11	\$0.00	\$0.41	\$0.41	100.0%
	Steele Canyon Rd	Jamul Dr	CPA Boundary	Regional	0.53	\$0.00	\$3.74	\$3.74	100.0%
	Willow Glen Dr	Hillsdale Rd	Steele Canyon Rd	RAS	1.20	\$0.00	\$4.48	\$4.48	100.0%
<b>North</b>									
<b>Bonsall</b>	Champagne Blvd	Old Castle Rd	CPA Boundary	RAS	0.28	\$0.25	\$1.04	\$0.80	76.3%
	East Vista Way	Mission Ave	Gopher Canyon Rd	RAS	0.94	\$0.00	\$7.50	\$7.50	100.0%



**TABLE 3.2**  
**TIF ELIGIBLE PROGRAM COST (COUNTY)**  
**COST IN MILLIONS (2012 DOLLARS)**

CPA	Name	Segment <sup>1</sup>		Facility Type	Segment Length (Miles)	E+OG Cost <sup>2</sup>	ME Cost <sup>3</sup>	TIF Cost <sup>4</sup>	TIF % <sup>5</sup>
		To	From						
<b>Bonsall (Continued)</b>	East Vista Way	Gopher Canyon Rd	Barsby St	RAS	0.73	\$2.72	\$5.83	\$3.10	53.3%
	Gopher Canyon Rd	Ormsby St	Ramp I-15 SB	RAS	3.41	\$13.96	\$24.06	\$10.10	42.0%
	Gopher Canyon Rd	Ramp I-15 SB	Old Highway 395	RAS	0.17	\$0.00	\$1.20	\$1.20	100.0%
	Melrose Dr	CPA Boundary	Santa Fe Ave	RAS	0.14	\$3.18	\$4.37	\$1.19	27.3%
	North River Rd	CPA Boundary	Mission Ave	Regional	0.62	\$4.38	\$7.76	\$3.38	43.6%
	Old Highway 395	West Lilac Rd	Ramp I-15 SB	RAS	0.86	\$0.00	\$3.38	\$3.38	100.0%
	Old Highway 395	Ramp I-15 SB	Cam Del Rey	RAS	1.35	\$0.57	\$9.53	\$8.95	94.0%
	Osborne St	CPA Boundary	East Vista Way	Local	1.48	\$0.00	\$7.24	\$7.24	100.0%
	West Lilac Rd	Olivehill Rd	Old River Rd	Regional	0.05	\$0.00	\$0.36	\$0.36	100.0%
	West Lilac Rd	Old River Rd	Cam Del Rey	Regional	0.29	\$0.00	\$2.06	\$2.06	100.0%
<b>Fallbrook</b>	Fallbrook	Mission Rd	Main Street	Local	0.12	\$0.00	\$0.41	\$0.41	100.0%
	Fallbrook	Morro Rd	Magarian Rd	Local	0.30	\$0.00	\$1.02	\$1.02	100.0%
	Old 395	Canonita	Tecalote	RAS	0.57	\$0.00	\$2.33	\$2.33	100.0%
	Old Highway 395	Pala Mesa Dr	Via Belmonte	RAS	0.52	\$2.13	\$3.70	\$1.57	42.4%
	Pala Mesa Dr	Old Highway 395	Pankey Rd	Local	0.21	\$2.68	\$2.93	\$0.26	8.8%
	Pankey	Pala Mesa	Citrano Ln	Local	0.33	\$4.21	\$4.61	\$0.40	8.8%
	Pankey	Citrano Ln	Pala/SR-76	Local	0.15	\$0.00	\$0.61	\$0.61	100.0%
	Horse Ranch Creek Rd	Stewart Canyon Rd	Pala/SR-76	Regional	1.49	\$18.99	\$31.07	\$12.07	38.9%
	Reche Rd	Stage Coach Ln	Green Canyon Rd	Local	0.76	\$0.00	\$2.58	\$2.58	100.0%
	Stage Coach Ln	Mission Rd	Reche Rd	Local	1.33	\$0.00	\$4.51	\$4.51	100.0%
	Stewart Canyon Rd	Old Highway 395	Horse Ranch Creek Rd	Regional	0.94	\$0.00	\$9.17	\$9.17	100.0%



**TABLE 3.2**  
**TIF ELIGIBLE PROGRAM COST (COUNTY)**  
**COST IN MILLIONS (2012 DOLLARS)**

CPA	Name	Segment <sup>1</sup>		Facility Type	Segment Length (Miles)	E+OG Cost <sup>2</sup>	ME Cost <sup>3</sup>	TIF Cost <sup>4</sup>	TIF % <sup>5</sup>
		To	From						
North County Metro	Bear Valley Parkway	Boyle Ave	Old Spanish Tr	RAS	1.26	\$8.89	\$14.33	\$5.44	38.0%
	Champagne Blvd	Old Castle Rd	Lawrence Welk Dr	RAS	0.68	\$0.60	\$2.54	\$1.94	76.3%
	Citracado Pkwy	Kauana Loa Dr	Bernardo Ave	RAS	0.10	\$0.41	\$1.14	\$0.73	64.0%
	Citracado Pkwy	Bernardo Ave	Ramp I-15 SB	RAS	0.87	\$3.92	\$9.90	\$5.98	60.4%
	El Norte Pkwy	Rees Rd	Nutmeg St/Nordahl Rd	RAS	0.39	\$0.00	\$1.88	\$1.88	100.0%
	Harmony Grove Rd	Country Club Dr	Citracado Pkwy	Local	1.08	\$0.00	\$3.67	\$3.67	100.0%
	Mar Vista Dr	Buena Vista Dr	Cannon Rd	RAS	0.28	\$3.57	\$4.54	\$0.97	21.3%
	Monte Vista Dr	CPA Limits	Foothill Dr	Regional	0.32	\$0.00	\$2.26	\$2.26	100.0%
	N Centre City Parkway	Champagne Blvd	Jesmond Dene Rd	RAS	0.57	\$0.00	\$4.02	\$4.02	100.0%
	Rock Springs Rd	Nordahl Rd	Deodar Rd	Regional	0.35	\$0.00	\$2.47	\$2.47	100.0%
	Rock Springs Rd	Deodar Rd	Borden Rd	Regional	0.18	\$0.74	\$1.27	\$0.53	42.0%
	South Santa Fe Ave	Montgomery Dr	Smilax Rd	RAS	1.73	\$12.21	\$19.68	\$7.47	38.0%
	Via Rancho	Via Loma Vista	Felicita Pkwy	RAS	0.74	\$0.00	\$8.42	\$8.42	100.0%
	Via Rancho Parkway	Felicita Rd	Montesano Rd	RAS	0.13	\$0.92	\$1.48	\$0.56	38.0%
	Via Rancho Parkway	Del Dios Hwy	Felicita Rd	RAS	1.32	\$0.00	\$23.44	\$23.44	100.0%
	San Pasqual Rd	Old Pasqual	Viento Valle	Regional	0.35	\$1.43	\$2.47	\$1.04	42.0%
San Dieguito	El Apajo	Via De Santa Fe	San Dieguito Rd	Local	0.57	\$0.00	\$2.33	\$2.33	100.0%
	Paseo Delicias	La Granada	Linea Del Cielo	RAS	0.08	\$0.00	\$0.39	\$0.39	100.0%
	San Dieguito Rd	CPA Limits	Winland Hills Drive	Regional	0.02	\$0.00	\$0.23	\$0.23	100.0%
	San Dieguito	El Apajo	Calle Del Nid	Regional	0.08	\$0.00	\$0.91	\$0.91	100.0%



**TABLE 3.2**  
**TIF ELIGIBLE PROGRAM COST (COUNTY)**  
**COST IN MILLIONS (2012 DOLLARS)**

CPA	Name	Segment <sup>1</sup>		Facility Type	Segment Length (Miles)	E+OG Cost <sup>2</sup>	ME Cost <sup>3</sup>	TIF Cost <sup>4</sup>	TIF % <sup>5</sup>
		To	From						
<b>Valley Center</b>	Old Highway 395	Old Castle Rd	CPA Boundary	RAS	0.36	\$0.32	\$1.34	\$1.02	76.3%
	Cole Grade Rd	Fruitvale Rd	Valley Center Rd	RAS	0.67	\$0.00	\$7.35	\$7.35	100.0%
	Lilac Rd	Anthony Rd	Cypress Rd	Regional	1.55	\$0.00	\$11.02	\$11.02	100.0%
	Old Highway 395	CPA Boundary	Cam Del Rey	RAS	0.38	\$0.00	\$2.68	\$2.68	100.0%
	Valley Center Rd	Wilhite Ln	Vesper Rd	RAS	0.33	\$0.00	\$3.62	\$3.62	100.0%
<i>East</i>									
<b>Desert</b>	Tilting T Dr	Di Giorgio Rd	Borrego Valley Rd	Local	1.25	\$0.00	\$4.24	\$4.24	100.0%
<b>Ramona</b>	Highland Valley	CPA Boundary	Archie Moore Rd	Local	6.62	\$0.00	\$32.40	\$32.40	100.0%

Source: Fehr & Peers, March 2012

**Notes:**

<sup>1</sup>To-From segment extents are to the nearest cross street which may not exactly match the identified TIF segment length

<sup>2</sup> Projected cost of improvements required due to with existing deficiencies, external through trips and/or outside growth

<sup>3</sup> Projected cost to improve to ME Classification from existing Functional Classification

<sup>4</sup> TIF funding available for ME improvement

<sup>5</sup> Percent of full ME Improvement Cost in which the TIF program will fund

<sup>6</sup> Roadway improvement costs within the East Otay Mesa Specific Plan Area were derived from the Stevens Cresto East Otay Mesa Preliminary Design Study (September 2008) and adjusted to 2012 dollars.



**TABLE 3.3**  
**TIF ELIGIBLE PROGRAM COST (STATE FACILITIES)**  
**COST IN MILLION (2012 DOLLARS)**

CPA	Name	Segment <sup>1</sup>		Facility Type	Length (Miles)	E+OG Cost <sup>2</sup>	ME Cost <sup>3</sup>	TIF Cost <sup>4</sup>
		To	From					
<b>South</b>								
<b>Jamul-Dulzura</b>	SR-94	CPA Boundary	Jefferson Rd	2.92	\$10.89	\$23.31	\$12.42	53%
	SR-94	Jefferson Rd	Melody Rd	0.88	\$0.00	\$7.03	\$7.03	100%
	SR-94	Campo Rd	Campo Rd	0.42	\$1.57	\$3.35	\$1.79	53%
<b>Valle De Oro</b>	SR-94	Singer Ln	CPA Boundary	1.11	\$6.34	\$11.10	\$4.76	43%
<b>North</b>								
<b>Fallbrook</b>	SR-76	Granit Quarry Entrance	Couser Canyon Rd	0.79	\$5.58	\$8.99	\$3.41	38%
	SR-76	Pankey Rd	Granit Quarry Entrance	0.50	\$3.53	\$5.69	\$2.16	38%
<b>North County Metro</b>	SR-76	17th St	Bear Valley Rd	0.44	\$0.00	\$3.11	\$3.11	100%
	SR-76	Bear Valley Rd	Old San Pasqual Rd	0.96	\$0.00	\$10.21	\$10.21	100%
<b>East</b>								
<b>Mountain Empire</b>	SR-188	SR-94	International Boarder	1.86	\$0.00	\$21.16	\$21.16	100%
<b>Ramona</b>	SR-67	Dye Rd	Boundary Ave	1.64	\$6.12	\$13.09	\$6.97	53%
	SR-67	Mussey Grade Rd	Archie Moore Rd	2.31	\$12.84	\$22.75	\$9.91	44%

Source: Fehr & Peers, March 2012

**Notes:**

<sup>1</sup>To-From segment extents are to the nearest cross street which may not exactly match the identified segment length

<sup>2</sup> Projected cost of improvements required due to with existing deficiencies, external through trips and/or outside growth

<sup>3</sup> Projected cost to improve to ME Classification from existing Functional Classification

<sup>4</sup> TIF funding available for ME improvement

<sup>5</sup> Percent of full ME Improvement Cost in which the TIF program will fund



### 3.4 TIF Eligible Interchange Improvement Costs

Interchange improvement costs were based upon similar improvement projects recently constructed throughout the County (average of \$12,650,000 per interchange). 10% of the costs associated with future development were assumed based upon the typical local match requirements for funding of freeway interchange improvements.

**Table 3.5** displays the resulting TIF program fair-share contribution, by sub-region, for each of the identified freeway interchanges and at-grade State highway intersections.

**TABLE 3.5**  
**TIF ELIGIBLE PROGRAM COSTS FOR INTERCHANGES**

Sub-Region	Interchange	Fair Share	TIF Cost
South	I-8 EB/Lake Jennings Park Rd	15.7%	\$199,000
	I-8 WB/Lake Jennings Park Rd	20.4%	\$258,000
	I-8 EB/Dunbar Ln	55.5%	\$702,000
	I-8 WB/Dunbar Ln	46.7%	\$590,000
	I-8 EB/Tavern Rd	24.8%	\$313,000
	I-8 WB/Tavern Rd	35.8%	\$452,000
	I-8 EB/W. Willows Rd	13.3%	\$168,000
	I-8 WB/W. Willows Rd	12.1%	\$153,000
	SR-67 NB/Bradley Ave	2.0%	\$25,000
	SR-67 SB/Bradley Ave	2.2%	\$28,000
	SR-67 NB/Winter Gardens Blvd	5.3%	\$67,000
	SR-67 SB/Winter Gardens Blvd	4.8%	\$60,000
	SR-67 NB/Riverford Rd	32.4%	\$410,000
	SR-67 SB/Riverford Rd	29.1%	\$369,000
	SR-67 NB/Mapleview St	4.0%	\$50,000
	SR-67 SB/Mapleview St	3.9%	\$49,000
	SR-94 EB/Sweetwater Springs Blvd	9.2%	\$116,000
	SR-94 WB/Sweetwater Springs Blvd	9.9%	\$125,000
<i>Sub-Total</i>			<b>\$4,063,000</b>
North	I-15 NB/E. Mission Rd	19.0%	\$241,000
	I-15 SB/E. Mission Rd	13.0%	\$165,000
	I-15 NB/Gopher Canyon Rd	32.6%	\$413,000
	I-15 SB/Gopher Canyon Rd	24.2%	\$306,000
	I-15 NB/Deer Springs Rd	22.4%	\$283,000
	I-15 SB/Deer Springs Rd	21.8%	\$276,000
	I-15 NB/Pala Road <sup>1</sup>	n/a	\$4,000,000
	I-15 SB/Pala Road <sup>1</sup>	n/a	\$4,000,000
<i>Sub-Total</i>			<b>\$9,652,000</b>
<b>Total</b>			<b>\$13,818,000</b>

Source: Fehr & Peers, March 2012

**Note:**

<sup>1</sup> Due to previous commitments, the TIF program will provide a contribution of \$8 million to the scheduled ramp improvements at the I-15/SR-76 interchange.



## 4.0 Summary of TIF Program Improvements and Costs

This chapter provides a summary of the identified TIF improvements and associated costs.

### 4.1 TIF Improvements and Associated Program Costs

**Tables 4.1 and 4.2** provide a summary of the TIF eligible facilities, along with the associated improvements and estimated costs for both County and State facilities, respectively..

**TABLE 4.1**

#### SUMMARY OF TIF ELIGIBLE IMPROVEMENTS AND ASSOCIATED COSTS (COUNTY)

CPA	Name	Segment <sup>1</sup>		Facility Type	Length (Miles)	TIF Improvement		TIF Cost <sup>2</sup>	TIF % <sup>3</sup>
		To	From			From	To		
<b>South</b>									
Alpine	Alpine Blvd	Ramp I-8 EB	Arnold Wy	RAS	0.66	2.2C	4.1B	\$4.66	100.0%
	Alpine Blvd	Tavern Rd	Alpine Elementary	RAS	0.22	2.2E	2.2A	\$1.08	100.0%
	Alpine Blvd	Louis Rd	E Victoria Dr	RAS	0.26	2.2E	2.2A	\$1.27	100.0%
	Arnold Wy	Tavern Rd	West Victoria Dr	Local	0.53	2.2E	2.2A	\$2.59	100.0%
	Harbison Canyon Rd	Arnold Wy	Bullard Ln	Local	0.67	2.2E	2.2A	\$3.28	100.0%
	Old Highway 80	Silva Rd	Dunbar Ln	Local	0.27	2.2E	2.2B	\$0.92	100.0%
	Tavern Rd	Taberna Vista Wy	Ramp I-8 WB	Regional	0.63	2.2C	4.1A	\$5.03	100.0%
	Tavern Rd	Ramp I-8 WB	Alpine Blvd	Regional	0.27	4.1B	4.1A	\$1.15	53.3%
	Tavern Rd	Alpine Blvd	Arnold Wy	Regional	0.27	4.1B	4.1A	\$1.30	100.0%
	Victoria Dr	Quail Creek Pl	West Victoria Dr	Local	0.25	2.2E	2.2A	\$1.22	100.0%
	Victoria Dr	Tavern Road	Gentian	Local	0.40	2.2E	2.2A	\$1.38	21.3%
	Willows Rd	Ramp I-8 WB	Ramp I-8 EB	RAS	0.12	4.1B	4.1A	\$0.58	100.0%
	Willows Rd	Ramp I-8 EB	Alpine Blvd	RAS	0.03	2.2E	4.1A	\$0.34	100.0%
County Islands	Euclid	24th St	Ridgeway Dr	RAS	0.18	4.1B	4.1A	\$0.87	100.0%
	Euclid	Ridgeway Dr	Sweetwater Rd	RAS	0.33	4.1B	4.1A	\$1.42	38.0%
Crest-Dehesa	Dehesa Rd	Granite Hills Dr	Willow Glen Dr	RAS	1.69	2.2C	4.1B	\$11.96	100.0%
	Dehesa Rd	Willow Glen Dr	Sycuan Summit Dr	RAS	3.95	2.1A	4.1B	\$11.70	42.0%
	Granite Hills Dr	Washington Ave	04th St	Regional	0.73	2.2E	4.1B	\$5.15	100.0%
	Greenfield Dr	La Cresta Rd	Madison Ave	Regional	0.47	2.2E	4.1B	\$3.32	100.0%
Jamul-Dulzura	Jefferson Rd	Lyons Valley Rd	Proctor Valley Rd	Local	0.39	2.2E	2.2A	\$1.91	100.0%
	Steele Canyon Rd	Old California Wy	Campo Rd	Regional	0.46	2.2E	4.1B	\$3.25	100.0%
Lakeside	Ashwood	Willow DR	Mapleview St	Regional	0.99	4.1B	4.1A	\$4.27	38.0%
	Ballantyne St	Graves Ave	Hart Dr	Regional	0.13	2.2E	4.2B	\$0.92	100.0%
	Ballantyne St	Hart Dr	Broadway	Regional	0.07	2.2C	4.2B	\$0.50	100.0%
	I-8 Business	Lavala	Lake Jennings	Regional	2.64	2.2E	4.2B	\$18.77	100.0%
	Industry Rd	Winter Gardens Blvd	Mapleview St	Regional	0.06	2.2E	4.1A	\$0.68	100.0%



**TABLE 4.1**  
**SUMMARY OF TIF ELIGIBLE IMPROVEMENTS AND ASSOCIATED COSTS (COUNTY)**

CPA	Name	Segment <sup>1</sup>		Facility Type	Length (Miles)	TIF Improvement		TIF Cost <sup>2</sup>	TIF % <sup>3</sup>
		To	From			From	To		
<b>Lakeside (Continued)</b>	Lake Jennings	Mapleview St	El Monte Rd	RAS	0.79	4.1B	4.1A	\$3.81	100.0%
	Mapleview St	Channel Rd	Ramp SR-67 SB	Regional	0.17	2.2C	4.1A	\$1.93	100.0%
	Mapleview St	Ashwood St	Lake Jennings Park Rd	RAS	0.32	4.1B	4.1A	\$1.54	100.0%
	Mapleview St	Industry Rd	Channel Rd	Regional	0.39	2.2E	4.1A	\$3.88	43.8%
	Mast Blvd	City of Santee	Riverford Rd	Regional	0.60	2.2C	4.1B	\$4.68	38.0%
	Old Highway 80	Pecan Park Ln	Chimney Rock Ln	Regional	0.74	2.1A	4.1B	\$2.19	42.0%
	Old Highway 80	Chimney Rock Ln	Marina Springs Ln	Regional	0.39	2.2E	4.1B	\$2.75	100.0%
	Old Highway 80	Marina Springs Ln	Dunbar Ln	Local	2.38	2.2E	2.2B	\$8.08	100.0%
	Riverford Rd	Ramp SR-67 SB	Woodside Ave	Regional	0.09	2.2C	4.1B	\$0.34	100.0%
	Riverford Rd	Mast Blvd	Ramp SR-67 SB	Regional	0.36	2.1A	6.2	\$7.69	96.0%
	Riverside Dr	Riverford Rd	Vista Camino	Regional	0.58	2.1A	4.1B	\$1.79	47.1%
	Riverside Dr	Vista Camino	Lakeside Ave	Regional	0.50	2.2C	4.1B	\$3.53	100.0%
	Sierra Alta Wy	Old Highway 80	Ramp I-8 EB	RAS	0.06	2.2E	4.1B	\$0.42	100.0%
	Winter Gardens Blvd	Industry Rd	SR-67	Regional	0.03	4.1B	4.1A	\$0.14	100.0%
	Winter Gardens Blvd	Ramp SR-67 SB	Pepper Dr	RAS	2.26	4.1B	4.1A	\$10.89	100.0%
	Woodside Ave	Riverford Rd	Marilla Dr	Regional	0.36	2.2C	4.2A	\$3.95	100.0%
	Woodside Ave	Marilla Dr	Winter Gardens Blvd	Regional	0.56	2.2E	4.2A	\$6.14	100.0%
<b>Otay<sup>4</sup></b>	Airway Rd	Faraday Dr	Lone Star Rd	Regional	1.10	2.2E	4.1A	\$3.30	53.2%
	Alta Rd	Lone Star Rd	Siempre Viva Rd	Regional	1.02	2.2E	4.1A	\$4.42	55.5%
	Enrico Fermi Dr	Otay Mesa Rd	Siempre Viva Rd	Regional	1.33	2.2C	4.1A	\$5.74	88.3%
	La Media Rd	City of Chula Vista	City of San Diego	Regional	0.32	4.1B	6.2	\$1.18	34.2%
	Lonestar Rd	Paseo De Las America	Otay Mesa Rd	RAS	3.64	2.2E	4.1A	\$15.08	47.7%
	Ellis Road	Lonestar Rd	Harvest Rd	Regional	0.87	2.2E	4.1A	\$3.72	46.7%
	Otay Lakes Rd	CPA Boundary	Village 13 Dwy#2	RAS	2.11	2.2E	4.1B	\$14.89	100.0%
	Otay Mesa Rd	Sanyo Ave	Enrico Fermi Dr	RAS	0.49	4.1B	6.2	\$2.37	74.3%
	Otay Mesa Rd	Enrico Fermi Dr	Alta Rd	RAS	0.51	2.2C	4.1A	\$2.37	74.3%
	Siempre Viva Rd	Alta Rd	Airway Rd	RAS	0.78	2.2E	4.1A	\$2.74	51.7%
<b>Spring Valley</b>	Campo Rd	Broadway	Ramp SR-125 NB	RAS	0.07	4.1B	4.1A	\$0.34	100.0%
	Campo Rd	Sweetwater Springs Blvd	Sweetwater Springs Blvd	RAS	0.09	4.1B	4.1A	\$0.43	100.0%
	Campo Rd	Ramp SR-125 NB	Terrace Dr	RAS	0.22	2.2E	4.1A	\$2.50	100.0%
	Jamacha Blvd	Kempton St	La Presa Ave	RAS	0.50	4.1B	4.1A	\$2.41	100.0%
	Jamacha Blvd	La Presa Ave	Sweetwater Springs Blvd	RAS	2.00	4.1B	4.1A	\$8.51	53.3%



**TABLE 4.1**  
**SUMMARY OF TIF ELIGIBLE IMPROVEMENTS AND ASSOCIATED COSTS (COUNTY)**

CPA	Name	Segment <sup>1</sup>		Facility Type	Length (Miles)	TIF Improvement		TIF Cost <sup>2</sup>	TIF % <sup>3</sup>
		To	From			From	To		
<b>Spring Valley (Continued)</b>	Jamacha Blvd	Sweetwater Springs Blvd	SR-54	RAS	0.89	4.1B	4.1A	\$4.29	100.0%
	Sweetwater Springs Blvd	Ramp SR-94 EB	Jamacha Blvd	RAS	1.33	4.1B	4.1A	\$6.41	100.0%
	Sweetwater Rd	Paradise Valley Rd	Jamacha Blvd	RAS	0.04	2.2C	4.1A	\$0.46	100.0%
<b>Valle De Oro</b>	Bancroft Dr	Grossmont Summit Dr	Lemon Ave	Regional	0.05	2.2E	4.2B	\$0.36	100.0%
	Campo Rd	Kenwood Dr	Bancroft Dr	RAS	0.25	2.2E	4.1B	\$1.76	100.0%
	Chase Ave	Rancho Valle Ct	Fuerte Dr	Regional	1.06	2.2C	4.1B	\$7.48	100.0%
	Jamacha Boulevard	SR-54	SR-94	RAS	0.59	4.1B	4.1A	\$2.84	100.0%
	Jamacha Road	Van Vechten	Chase Ave	RAS	0.49	4.1B	4.1A	\$2.36	100.0%
	Jamacha Road	Chase Ave	Calle Albara	RAS	1.09	4.1B	6.2	\$14.13	100.0%
	Jamacha Road	Calle Albara	Hilton Head Rd	RAS	0.47	4.1A	6.2	\$3.59	100.0%
	Steele Canyon Rd	Par 4 Dr	Jamul Dr	Regional	0.11	2.2C	4.1B	\$0.41	100.0%
	Steele Canyon Rd	Jamul Dr	CPA Boundary	Regional	0.53	2.2E	4.1B	\$3.74	100.0%
	Willow Glen Dr	Hillsdale Rd	Steele Canyon Rd	RAS	1.20	2.2C	4.1B	\$4.48	100.0%
<b>North</b>									
<b>Bonsall</b>	Champagne Blvd	Old Castle Rd	CPA Boundary	RAS	0.28	2.1A	4.1B	\$0.80	76.3%
	East Vista Way	Mission Ave	Gopher Canyon Rd	RAS	0.94	2.2C	4.1A	\$7.50	100.0%
	East Vista Way	Gopher Canyon Rd	Barsby St	RAS	0.73	4.1B	4.1A	\$3.10	53.3%
	Gopher Canyon Rd	Ormsby St	Ramp I-15 SB	RAS	3.41	2.1A	4.1B	\$10.10	42.0%
	Gopher Canyon Rd	Ramp I-15 SB	Old Highway 395	RAS	0.17	2.2C	4.1B	\$1.20	100.0%
	Melrose Dr	CPA Boundary	Santa Fe Ave	RAS	0.14	4.1A	6.2	\$1.19	27.3%
	North River Rd	CPA Boundary	Mission Ave	Regional	0.62	2.2C	4.1B	\$3.38	43.6%
	Old Highway 395	West Lilac Rd	Ramp I-15 SB	RAS	0.86	2.2C	4.2B	\$3.38	100.0%
	Old Highway 395	Ramp I-15 SB	Cam Del Rey	RAS	1.35	2.2C	4.1B	\$8.95	94.0%
	Osborne St	CPA Boundary	East Vista Way	Local	1.48	2.2E	2.2A	\$7.24	100.0%
	West Lilac Rd	Olivehill Rd	Old River Rd	Regional	0.05	2.2C	4.2B	\$0.36	100.0%
	West Lilac Rd	Old River Rd	Cam Del Rey	Regional	0.29	2.2E	4.2B	\$2.06	100.0%
<b>Fallbrook</b>	Fallbrook	Mission Rd	Main Street	Local	0.12	2.2E	2.2B	\$0.41	100.0%
	Fallbrook	Morro Rd	Magarian Rd	Local	0.30	2.2E	2.2B	\$1.02	100.0%
	Old 395	Canonita	Tecalote	RAS	0.57	2.2C	2.1A	\$2.33	100.0%
	Old Highway 395	Pala Mesa Dr	Via Belmonte	RAS	0.52	2.1A	4.2B	\$1.57	42.4%
	Pala Mesa Dr	Old Highway 395	Pankey Rd	Local	0.21	2.2E	2.1A	\$0.26	8.8%
	Pankey Rd	Pala Mesa Dr	Citrano Ln	Local	0.33	2.2E	2.1A	\$0.40	8.8%



**TABLE 4.1**  
**SUMMARY OF TIF ELIGIBLE IMPROVEMENTS AND ASSOCIATED COSTS (COUNTY)**

CPA	Name	Segment <sup>1</sup>		Facility Type	Length (Miles)	TIF Improvement		TIF Cost <sup>2</sup>	TIF % <sup>3</sup>
		To	From			From	To		
<b>Fallbrook (Continued)</b>	Pankey	Citrano Ln	Pala/SR-76	Local	0.15	2.2E	2.1A	\$0.61	100.0%
	Horse Ranch Creek Rd	Stewart Canyon Rd	Pala/SR-76	Regional	1.49	2.2E	4.2A	\$12.07	38.9%
	Reche Rd	Stage Coach Ln	Green Canyon Rd	Local	0.76	2.2E	2.2B	\$2.58	100.0%
	Stage Coach Ln	Mission Rd	Reche Rd	Local	1.33	2.2E	2.2B	\$4.51	100.0%
	Stewart Canyon Rd	Old Highway 395	Horse Ranch Creek Rd	Regional	0.94	2.2E	4.1B	\$9.17	100.0%
<b>North County Metro</b>	Bear Valley Parkway	Boyle Ave	Old Spanish Tr	RAS	1.26	4.1B	4.1A	\$5.44	38.0%
	Champagne Blvd	Old Castle Rd	Lawrence Welk Dr	RAS	0.68	2.1A	4.1B	\$1.94	76.3%
	Citracado Pkwy	Kauana Loa Dr	Bernardo Ave	RAS	0.10	2.1A	4.1A	\$0.73	64.0%
	Citracado Pkwy	Bernardo Ave	Ramp I-15 SB	RAS	0.87	4.1B	4.1A	\$5.98	60.4%
	El Norte Pkwy	Rees Rd	Nordahl Rd	RAS	0.39	4.1B	4.1A	\$1.88	100.0%
	Harmony Grove Rd	Country Club Dr	Citracado Pkwy	Local	1.08	2.2E	2.2B	\$3.67	100.0%
	Mar Vista Dr	Buena Vista Dr	Cannon Rd	RAS	0.28	2.2E	2.2B	\$0.97	21.3%
	Monte Vista Dr	CPA Limits	Foothill Dr	Regional	0.32	2.2E	4.1B	\$2.26	100.0%
	N Centre City Parkway	Champagne Blvd	Jesmond Dene Rd	RAS	0.57	2.2C	4.1B	\$4.02	100.0%
	Rock Springs Rd	Nordahl Rd	Deodar Rd	Regional	0.35	2.2C	4.1B	\$2.47	100.0%
	Rock Springs Rd	Deodar Rd	Borden Rd	Regional	0.18	2.1A	4.1B	\$0.53	42.0%
	South Santa Fe Ave	Montgomery Dr	Smilax Rd	RAS	1.73	4.1B	4.1A	\$7.47	38.0%
	Via Rancho	Via Loma Vista	Felicita Pkwy	RAS	0.74	2.2C	4.1A	\$8.42	100.0%
	Via Rancho Parkway	Felicita Rd	Montesano Rd	RAS	0.13	4.1B	4.1A	\$0.56	38.0%
	Via Rancho Parkway	Del Dios Hwy	Felicita Rd	RAS	1.32	2.2E	4.1A	\$23.44	100.0%
	San Pasqual Rd	Old Pasqual	Viento Valle	Regional	0.35	2.1A	4.1B	\$1.04	42.0%
<b>San Dieguito</b>	El Apajo	Via De Santa Fe	San Dieguito Rd	Local	0.57	2.2C	2.1A	\$2.33	100.0%
	Paseo Delicias	La Granada	Linea Del Cielo	RAS	0.08	2.2E	2.2A	\$0.39	100.0%
	San Dieguito Rd	CPA Limits	Winland Hills Dr	Regional	0.02	2.2E	4.1A	\$0.23	100.0%
	San Dieguito	El Apajo	Calle Del Nid	Regional	0.08	2.2E	4.1A	\$0.91	100.0%
<b>Valley Center</b>	Old Highway 395	Old Castle Rd	CPA Boundary	RAS	0.36	2.1A	4.1B	\$1.02	76.3%
	Cole Grade Rd	Fruitvale Rd	Valley Center Rd	RAS	0.67	2.2E	4.2A	\$7.35	100.0%
	Lilac Rd	Anthony Rd	Cypress Rd	Regional	1.55	2.2E	4.2B	\$11.02	100.0%
	Old Highway 395	CPA Boundary	Cam Del Rey	RAS	0.38	2.2C	4.1B	\$2.68	100.0%
	Valley Center Rd	Wilhite Ln	Vesper Rd	RAS	0.33	2.2C	4.2A	\$3.62	100.0%



**TABLE 4.1**  
**SUMMARY OF TIF ELIGIBLE IMPROVEMENTS AND ASSOCIATED COSTS (COUNTY)**

CPA	Name	Segment <sup>1</sup>		Facility Type	Length (Miles)	TIF Improvement		TIF Cost <sup>2</sup>	TIF % <sup>3</sup>
		To	From			From	To		
<b>East</b>									
<b>Desert</b>	Tilting T Dr	Di Giorgio Rd	Borrego Valley Rd	Local	1.25	2.2E	2.2B	\$4.24	100.0%
<b>Ramona</b>	Highland Valley	CPA Boundary	Archie Moore Rd	Local	6.62	2.2E	2.2A	\$32.40	100.0%

Source: Fehr & Peers, March 2012

**Notes:**

<sup>1</sup>To-From segment extents are to the nearest cross street which may not exactly match the identified segment length

<sup>2</sup> TIF funding available for ME improvement

<sup>3</sup> Percent of full ME Improvement Cost in which the TIF program will fund

<sup>4</sup> Roadway improvement costs within the East Otay Mesa Specific Plan Area were derived from the Stevens Cresto East Otay Mesa Preliminary Design Study (September 2008) and adjusted to 2012 dollars.

**TABLE 4.2**  
**SUMMARY OF TIF ELIGIBLE IMPROVEMENTS AND ASSOCIATED COST (STATE)**

CPA	Name	Segment <sup>1</sup>		Length (Miles)	TIF Improvement		TIF Cost <sup>2</sup>	TIF % <sup>3</sup>
		To	From		From	To		
<b>South</b>								
<b>Jamul-Dulzura</b>	SR-94	CPA Boundary	Jefferson Rd	2.92	4.1B	4.1A	\$12.42	53%
	SR-94	Jefferson Rd	Melody Rd	0.88	2.2C	4.1A	\$7.03	100%
	SR-94	Campo Rd	Campo Rd	0.42	4.1B	4.1A	\$1.79	53%
<b>Valle De Oro</b>	SR-94	Singer Ln	CPA Boundary	1.11	4.1B	4.1A	\$4.76	43%
<b>North</b>								
<b>Fallbrook</b>	SR-76	Granit Quarry Entrance	Couser Canyon Rd	0.79	4.1B	4.1A	\$3.41	38%
	SR-76	Pankey Rd	Granit Quarry Entrance	0.50	4.1B	4.1A	\$2.16	38%
<b>North County Metro</b>	SR-76	17th St	Bear Valley Rd	0.44	2.2C	4.1B	\$3.11	100%
	SR-76	Bear Valley Rd	Old San Pasqual Rd	0.96	2.2C	4.1A	\$10.21	100%
<b>East</b>								
<b>Mountain Empire</b>	SR-188	SR-94	International Boarder	1.86	2.2E	4.1A	\$21.16	100%
<b>Ramona</b>	SR-67	Dye Rd	Boundary Ave	1.64	4.1B	4.1A	\$6.97	53%
	SR-67	Mussey Grade Rd	Archie Moore Rd	2.31	4.1B	4.1A	\$9.91	44%

Source: Fehr & Peers, March 2012

**Notes:**

<sup>1</sup>To-From segment extents are to the nearest cross street which may not exactly match the identified segment length

<sup>2</sup> TIF funding available for ME improvement

<sup>3</sup> Percent of full ME Improvement Cost in which the TIF program will fund



## 4.2 Overall TIF Program Costs

**Table 4.3** provides a summary of the total TIF program costs by CPA, sub-region and facility type for the unincorporated portions of San Diego County.

**TABLE 4.3**  
**SUMMARY OF OVERALL TIF PROGRAM COST (ROADWAY FACILITIES)**

Sub-Region	CPA	State	RAS	Regional	Local	Total
South	Alpine	\$0.00	\$7.93	\$7.48	\$9.40	<b>\$24.80</b>
	County Islands	\$0.00	\$2.29	\$0.00	\$0.00	<b>\$2.29</b>
	Crest-Dehesa	\$0.00	\$23.63	\$8.47	\$0.00	<b>\$32.10</b>
	Jamul-Dulzura	\$21.23	\$0.00	\$3.25	\$1.91	<b>\$26.38</b>
	Lakeside	\$0.00	\$16.66	\$63.83	\$8.08	<b>\$88.57</b>
	Otay	\$0.00	<b>\$37.45</b>	<b>\$18.95</b>	\$0.00	<b>\$56.40</b>
	Spring Valley	\$0.00	\$25.34	\$0.00	\$0.00	<b>\$25.34</b>
	Sweetwater	\$0.00	\$0.00	\$0.00	\$0.00	<b>\$0.00</b>
	Valle De Oro	\$4.76	\$29.16	\$11.99	\$0.00	<b>\$45.91</b>
<b>Sub-Total</b>		<b>\$25.99</b>	<b>\$142.46</b>	<b>\$113.96</b>	<b>\$19.38</b>	<b>\$301.80</b>
North	Bonsall	\$0.00	\$36.58	\$5.45	\$7.24	<b>\$49.28</b>
	Fallbrook	\$5.57	\$3.90	\$21.25	\$9.79	<b>\$40.52</b>
	North County Metro	\$13.31	\$52.42	\$6.30	\$3.67	<b>\$75.69</b>
	Pala-Pauma	\$0.00	\$0.00	\$0.00	\$0.00	<b>\$0.00</b>
	Pendleton-De Luz	\$0.00	\$0.00	\$0.00	\$0.00	<b>\$0.00</b>
	Rainbow	\$0.00	\$0.00	\$0.00	\$0.00	<b>\$0.00</b>
	San Dieguito	\$0.00	\$0.39	\$1.14	\$2.33	<b>\$3.86</b>
	Valley Center	\$0.00	\$14.68	\$11.02	\$0.00	<b>\$25.70</b>
	<b>Sub-Total</b>	<b>\$18.88</b>	<b>\$107.97</b>	<b>\$45.16</b>	<b>\$23.04</b>	<b>\$195.05</b>
East	Central Mountain	\$0.00	\$0.00	\$0.00	\$0.00	<b>\$0.00</b>
	Desert	\$0.00	\$0.00	\$0.00	\$4.24	<b>\$4.24</b>
	Julian	\$0.00	\$0.00	\$0.00	\$0.00	<b>\$0.00</b>
	Mountain Empire	\$21.16	\$0.00	\$0.00	\$0.00	<b>\$21.16</b>
	North Mountain	\$0.00	\$0.00	\$0.00	\$0.00	<b>\$0.00</b>
	Ramona	\$16.88	\$0.00	\$0.00	\$32.40	<b>\$49.28</b>
	<b>Sub-Total</b>	<b>\$38.04</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$36.64</b>	<b>\$74.68</b>
<b>Grand Total</b>		<b>\$82.92</b>	<b>\$250.43</b>	<b>\$159.12</b>	<b>\$79.06</b>	<b>\$571.53</b>

Source: Fehr & Peers, March 2012

**Table 4.4** provides a summary of the TIF program costs, by sub-region, associated with improvements to freeway interchanges.



**TABLE 4.4**  
**SUMMARY OF TIF FUNDING FOR INTERCHANGES**

Sub Region	TIF Cost
South	\$4,134,000
North	\$9,684,000
East	\$0
<b>Total</b>	<b>\$13,818,000</b>

Source: Fehr & Peers, March 2012

As shown, the TIF program includes approximately \$13.82 Million for improvements to freeway interchanges and at-grade State Highway intersections located within the unincorporated portions of the County.

**Table 4.5** provides a summary of the total TIF program costs by sub-region and facility type.

**TABLE 4.5**  
**TOTAL TIF PROGRAM COST BY SUB-REGION**  
**COST IN MILLIONS (2012 DOLLARS)**

Sub-Region	State	RAS	Regional	Local	Total
South	\$30.12	\$142.46	\$113.96	\$19.38	<b>\$305.92</b>
North	\$28.56	\$107.97	\$45.16	\$23.04	<b>\$204.73</b>
East	\$38.04	\$0.00	\$0.00	\$36.64	<b>\$74.68</b>
<b>Total</b>	<b>\$96.72</b>	<b>\$250.43</b>	<b>\$159.12</b>	<b>\$79.06</b>	<b>\$585.33</b>

Source: Fehr & Peers, March 2012

As shown, the TIF program includes over \$585.33 Million of roadway improvements throughout the unincorporated portions of the County of San Diego.

#### **4.3 Total Net Program Costs**

As of the writing of this report the current TIF program has a fund balance of \$14.026 million and has committed \$17.606 million to the construction of programmed TIF improvements or the reimbursement of already constructed TIF improvements. It is also assumed that the right-of-way for some TIF improvements will be dedicated by future development (assumed to be worth \$52.421 million). The calculation of Total Net Program Cost is displayed below:

Total TIF Program Cost	\$585.33 Million
Prior Commitments	+ \$17.606 Million
Current Fund Balance	- \$14.026 Million
Right-of-Way Dedication	- \$52.489 Million
<b>Total Net Program Cost</b>	<b>\$536.421 Million</b>



**Appendix A**  
**List of ME Improvements**

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## Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
South	Alpine	ALPINE	RAMP I-8 EB	RAMP I-8 EB	RAS	0.07	Light Collector	4.1B	\$7.06	\$0.49
South	Alpine	ALPINE	RAMP I-8 EB	ARNOLD	RAS	0.59	Light Collector	4.1B	\$7.06	\$4.16
South	Alpine	ALPINE	TAVERN	UNKNOWN	RAS	0.05	Light Collector	2.2A	\$4.89	\$0.24
South	Alpine	ALPINE	UNKNOWN	ZONE CONNECTOR	RAS	0.17	Light Collector	2.2A	\$4.89	\$0.83
South	Alpine	ALPINE	ZONE CONNECTOR	ZONE CONNECTOR	RAS	0.18	Light Collector	2.2A	\$4.89	\$0.88
South	Alpine	ALPINE	ZONE CONNECTOR	UNKNOWN	RAS	0.14	Light Collector	2.2A	\$4.89	\$0.69
South	Alpine	ALPINE	UNKNOWN	UNKNOWN	RAS	0.08	Light Collector	2.2A	\$4.89	\$0.39
South	Alpine	ALPINE	UNKNOWN	WEST VICTORIA	RAS	0.07	Light Collector	2.2A	\$4.89	\$0.34
South	Alpine	ALPINE	WEST VICTORIA	ELTINGE	RAS	0.05	Light Collector	2.2A	\$4.89	\$0.24
South	Alpine	ALPINE	ELTINGE	ALPINE MHP	RAS	0.29	Light Collector	2.2A	\$4.89	\$1.42
South	Alpine	ALPINE	ALPINE MHP	BAY MEADOWS	RAS	0.11	Light Collector	2.2A	\$4.89	\$0.54
South	Alpine	ALPINE	BAY MEADOWS	PADRE DAM/DANATOS	RAS	0.2	Light Collector	2.2A	\$4.89	\$0.98
South	Alpine	ALPINE	PADRE DAM/DANATOS	ROCK	RAS	0.1	Light Collector	2.2A	\$4.89	\$0.49
South	Alpine	ALPINE	ROCK	RAMP I-8 EB	RAS	0.09	Light Collector	2.2A	\$4.89	\$0.44
South	Alpine	ALPINE	RAMP I-8 EB	SO GRADE/E VICTORIA	RAS	0.07	Light Collector	2.2A	\$4.89	\$0.34
South	Alpine	ARNOLD	SOUTH GRADE	MIDWAY	Local	0.63	Light Collector	2.2F	\$0.49	\$0.31
South	Alpine	ARNOLD	MIDWAY	BLUE LILAC	Local	0.48	Light Collector	2.2F	\$0.49	\$0.23
South	Alpine	ARNOLD	BLUE LILAC	FOSS	Local	0.29	Light Collector	2.2F	\$0.49	\$0.14
South	Alpine	ARNOLD	TAVERN	ALPINE GROVE	Local	0.1	Light Collector	2.2A	\$4.89	\$0.49
South	Alpine	ARNOLD	ALPINE GROVE	ALPINE VILAGE	Local	0.19	Light Collector	2.2A	\$4.89	\$0.93
South	Alpine	ARNOLD	ALPINE VILAGE	OLIVEWOOD	Local	0.13	Light Collector	2.2A	\$4.89	\$0.64
South	Alpine	ARNOLD	OLIVEWOOD	WEST VICTORIA	Local	0.11	Light Collector	2.2A	\$4.89	\$0.54
South	Alpine	CITRANO LN	UNKNOWN	TAVERN	Local	0.33	New	2.3A	\$12.00	\$3.96
South	Alpine	CITRANO LN	LARKSPUR	UNKNOWN	Local	0.41	New	2.3A	\$12.00	\$4.92
South	Alpine	EAST VICTORIA	NORTH VICTORIA	ZONE CONNECTOR	Local	0.57	Light Collector	2.2F	\$0.49	\$0.28
South	Alpine	EAST VICTORIA	ZONE CONNECTOR	OTTO	Local	0.22	Light Collector	2.2F	\$0.49	\$0.11
South	Alpine	HARBISON CANYON	ARNOLD	UNKNOWN	Local	0.44	Light Collector	2.2A	\$4.89	\$2.15
South	Alpine	HARBISON CANYON	UNKNOWN	BULLARD	Local	0.23	Light Collector	2.2A	\$4.89	\$1.13
South	Alpine	JAPATUL	DEHESA	VIA ASOLEADO	Local	0.2	Light Collector	2.2F	\$0.49	\$0.10
South	Alpine	JAPATUL	VIA ASOLEADO	UNKNOWN	Local	2.42	Light Collector	2.2F	\$0.49	\$1.17
South	Alpine	JAPATUL	UNKNOWN	SC 780	Local	1.69	Light Collector	2.2F	\$0.49	\$0.82
South	Alpine	JAPATUL	SC 780	MARIAH	Local	2.08	Light Collector	2.2F	\$0.49	\$1.01
South	Alpine	JAPATUL	MARIAH	LYONS VALLEY	Local	0.65	Light Collector	2.2F	\$0.49	\$0.32
South	Alpine	JAPATUL VALLEY	ZONE CONNECTOR	AVNDA DE LOS ARBOLES	Local	0.59	Light Collector	2.2F	\$0.49	\$0.29
South	Alpine	JAPATUL VALLEY	AVNDA DE LOS ARBOLES	JAPATUL	Local	1.8	Light Collector	2.2F	\$0.49	\$0.87
South	Alpine	JAPATUL VALLEY	JAPATUL	LYONS VALLEY	Local	2	Light Collector	2.2F	\$0.49	\$0.97
South	Alpine	LYONS VALLEY	UNKNOWN	UNKNOWN	Local	2.33	Light Collector	2.2F	\$0.49	\$1.13
South	Alpine	LYONS VALLEY	UNKNOWN	JAPATUL	Local	1.39	Light Collector	2.2F	\$0.49	\$0.67
South	Alpine	NORTH VICTORIA	SNEATH	STARBRIGHT	Local	0.3	Light Collector	2.2F	\$0.49	\$0.15
South	Alpine	NORTH VICTORIA	STARBRIGHT	PEUTZ VALLEY	Local	0.3	Light Collector	2.2F	\$0.49	\$0.15
South	Alpine	NORTH VICTORIA	PEUTZ VALLEY	UNKNOWN	Local	0.07	Light Collector	2.2F	\$0.49	\$0.03
South	Alpine	NORTH VICTORIA	UNKNOWN	EAST VICTORIA	Local	0.23	Light Collector	2.2F	\$0.49	\$0.11
South	Alpine	OLDE 80	SILVA	DUNBAR	Local	0.27	Light Collector	2.2B	\$3.39	\$0.92
South	Alpine	SC 1930	DUNBAR	UNKNOWN	Local	0.1	New	2.3C	\$12.00	\$1.20
South	Alpine	TAVERN	TABERNA VISTA	TABERNA VISTA	Regional	0.23	Town Collector	4.1A	\$7.98	\$1.84

## Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
South	Alpine	TAVERN	TABERNA VISTA	VICTORIA MEADOWS	Regional	0.37	Town Collector	4.1A	\$7.98	\$2.95
South	Alpine	TAVERN	VICTORIA MEADOWS	RAMP I-8 WB	Regional	0.03	Town Collector	4.1A	\$7.98	\$0.24
South	Alpine	TAVERN	RAMP I-8 WB	RAMP I-8 HOV EB	Regional	0.17	Town Collector	4.1A	\$7.98	\$1.36
South	Alpine	TAVERN	RAMP I-8 HOV EB	RAMP	Regional	0.06	Town Collector	4.1A	\$7.98	\$0.48
South	Alpine	TAVERN	RAMP	ALPINE	Regional	0.04	Town Collector	4.1A	\$7.98	\$0.32
South	Alpine	TAVERN	ALPINE	ALPINE CREEK CENTER	Regional	0.07	Collector	4.1A	\$4.82	\$0.34
South	Alpine	TAVERN	ALPINE CREEK CENTER	ADMINISTRATION	Regional	0.17	Collector	4.1A	\$4.82	\$0.82
South	Alpine	TAVERN	ADMINISTRATION	ARNOLD	Regional	0.03	Collector	4.1A	\$4.82	\$0.14
South	Alpine	VICTORIA PARK	TAVERN	LARKSPUR	Local	0.23	New	2.2A	\$16.21	\$3.73
South	Alpine	VICTORIA PARK	LARKSPUR	GENTIAN	Local	0.17	New	2.2A	\$16.21	\$2.75
South	Alpine	VICTORIA PARK	UNKNOWN	WEST VICTORIA	Local	0.25	Light Collector	2.2A	\$4.89	\$1.22
South	Alpine	WEST VICTORIA	NORTH VICTORIA	VICTORIA CIRCLE	Local	0.39	Light Collector	2.2F	\$0.49	\$0.19
South	Alpine	WEST VICTORIA	VICTORIA CIRCLE	VICTORIA PARK	Local	0.1	Light Collector	2.2F	\$0.49	\$0.05
South	Alpine	WILLOWS	VIEJAS GRADE	UNKNOWN	RAS	0.62	Light Collector	4.2A	\$10.97	\$6.80
South	Alpine	WILLOWS	UNKNOWN	VIEJAS ROW	RAS	0.35	Light Collector	4.2A	\$10.97	\$3.84
South	Alpine	WILLOWS	RAMP I-8 WB	RAMP I-8 EB	RAS	0.12	Collector	4.1A	\$4.82	\$0.58
South	Alpine	WILLOWS	RAMP I-8 EB	ALPINE	RAS	0.03	Light Collector	4.1A	\$11.38	\$0.34
South	County Islands	EUCLID	24TH	RIDGEWAY	RAS	0.18	Collector	4.1A	\$4.82	\$0.87
South	County Islands	EUCLID	RIDGEWAY	NORTH OF SWEETWATER	RAS	0.01	Light Collector	4.1A	\$11.38	\$0.11
South	County Islands	EUCLID	RIDGEWAY	NORTH OF SWEETWATER	RAS	0.29	Light Collector	4.1A	\$11.38	\$3.30
South	County Islands	EUCLID	NORTH OF SWEETWATER	SWEETWATER	RAS	0.03	Light Collector	4.1A	\$11.38	\$0.34
South	County Islands	MIRAMAR	RAMP I-15 NB	RAMP I-15 SB	RAS	0.09	Collector	4.1A	\$4.82	\$0.43
South	County Islands	POMERADO	WILLOW CREEK	UNKNOWN	RAS	0.52	Town Collector	4.1A	\$7.98	\$4.15
South	County Islands	POMERADO	UNKNOWN	RAMP I-15 NB	RAS	0.06	Light Collector	4.1A	\$11.38	\$0.68
South	County Islands	POMERADO	RAMP I-15 NB	RAMP I-15 NB	RAS	0.11	Town Collector	4.1A	\$7.98	\$0.88
South	County Islands	SWEETWATER	RAMP I-805 SB	RAMP I-805 NB	RAS	0.05	Collector	6.2	\$12.96	\$0.65
South	County Islands	SWEETWATER	RAMP I-805 NB	OLIVE	RAS	0.07	Collector	6.2	\$12.96	\$0.91
South	County Islands	SWEETWATER	OLIVE	ORANGE	RAS	0.04	Collector	6.2	\$12.96	\$0.52
South	Crest-Dehesa	CREST	SUNCREST	SOUTH	Local	0.36	Light Collector	2.2F	\$0.49	\$0.17
South	Crest-Dehesa	DEHESA	GRANITE HILLS	CALLE ENCANTO	RAS	0.32	Light Collector	4.1B	\$7.06	\$2.26
South	Crest-Dehesa	DEHESA	CALLE ENCANTO	VISTA GRANDE	RAS	0.32	Light Collector	4.1B	\$7.06	\$2.26
South	Crest-Dehesa	DEHESA	VISTA GRANDE	SINGING TRAILS	RAS	0.44	Light Collector	4.1B	\$7.06	\$3.11
South	Crest-Dehesa	DEHESA	SINGING TRAILS	DEHESA-NEW	RAS	0.12	Light Collector	4.1B	\$7.06	\$0.85
South	Crest-Dehesa	DEHESA	DEHESA-NEW	WILLOW GLEN	RAS	0.04	Light Collector	4.1B	\$7.06	\$0.28
South	Crest-Dehesa	DEHESA	WILLOW GLEN	ZONE CONNECTOR	RAS	0.42	Light Collector	4.1B	\$7.06	\$2.96
South	Crest-Dehesa	DEHESA	ZONE CONNECTOR	SYCUAN SUMMIT	RAS	0.57	Light Collector	4.1B	\$7.06	\$4.02
South	Crest-Dehesa	DEHESA	SYCUAN SUMMIT	UNKNOWN	RAS	0.81	Light Collector	4.1B	\$7.06	\$5.72
South	Crest-Dehesa	DEHESA	UNKNOWN	UNKNOWN	RAS	0.91	Light Collector	4.1B	\$7.06	\$6.42
South	Crest-Dehesa	DEHESA	UNKNOWN	HARBISON CANYON	RAS	0.51	Light Collector	4.1B	\$7.06	\$3.60
South	Crest-Dehesa	DEHESA	HARBISON CANYON	ZONE CONNECTOR	RAS	0.25	Light Collector	4.1B	\$7.06	\$1.76
South	Crest-Dehesa	DEHESA	ZONE CONNECTOR	SYCUAN	RAS	0.48	Light Collector	4.1B	\$7.06	\$3.39
South	Crest-Dehesa	DEHESA-NEW	DEHESA	DEHESA	RAS	0.45	Light Collector	4.1B	\$7.06	\$3.18
South	Crest-Dehesa	GRANITE HILLS	LEXINGTON	WASHINGTON	Regional	0.31	Light Collector	4.1B	\$7.06	\$2.19
South	Crest-Dehesa	GRANITE HILLS	MELODY	LEXINGTON	Regional	0.26	Light Collector	4.1B	\$7.06	\$1.83
South	Crest-Dehesa	GRANITE HILLS	04TH	MELODY	Regional	0.02	Light Collector	4.1B	\$7.06	\$0.14

## Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
South	Crest-Dehesa	GRANITE HILLS	04TH	MELODY	Regional	0.02	Light Collector	4.1B	\$7.06	\$0.14
South	Crest-Dehesa	GRANITE HILLS	04TH	MELODY	Regional	0.12	Light Collector	4.1B	\$7.06	\$0.85
South	Crest-Dehesa	GREENFIELD	BERMUDA LANE	CANDLE	Regional	0.06	Light Collector	4.1B	\$7.06	\$0.42
South	Crest-Dehesa	GREENFIELD	CANDLE	SYCAMORE	Regional	0.08	Light Collector	4.1B	\$7.06	\$0.56
South	Crest-Dehesa	GREENFIELD	SYCAMORE	LA CRESTA	Regional	0.15	Light Collector	4.1B	\$7.06	\$1.06
South	Crest-Dehesa	GREENFIELD	LA CRESTA	ZONE CONNECTOR	Regional	0.24	Light Collector	4.1B	\$7.06	\$1.69
South	Crest-Dehesa	GREENFIELD	ZONE CONNECTOR	MADISON	Regional	0.23	Light Collector	4.1B	\$7.06	\$1.62
South	Crest-Dehesa	LA CRESTA	MOUNTAIN VIEW	BURDETT	Local	0.31	Light Collector	2.2F	\$0.49	\$0.15
South	Crest-Dehesa	LA CRESTA	BURDETT	NORTH	Local	0.23	Light Collector	2.2F	\$0.49	\$0.11
South	Crest-Dehesa	SOUTH	SUNCREST	CREST	Local	0.27	Light Collector	2.2F	\$0.49	\$0.13
South	Crest-Dehesa	SUNCREST	SOUTH	BEECH	Local	0.2	Light Collector	2.2F	\$0.49	\$0.10
South	Crest-Dehesa	SUNCREST	BEECH	LENTO	Local	0.27	Light Collector	2.2F	\$0.49	\$0.13
South	Crest-Dehesa	SUNCREST	LENTO	CREST	Local	0.08	Light Collector	2.2F	\$0.49	\$0.04
South	Crest-Dehesa	SUNCREST	CREST	LA CRESTA	Local	0.11	Light Collector	2.2F	\$0.49	\$0.05
South	Jamul-Dulzura	CAMPO	ZONE CONNECTOR	SR-94	State	0.08	Town Collector	4.1A	\$7.98	\$0.64
South	Jamul-Dulzura	CAMPO	SR-94	FAIR ACRES	State	0.19	Town Collector	4.1A	\$7.98	\$1.52
South	Jamul-Dulzura	CAMPO	FAIR ACRES	STEELE CANYON	State	0.29	Town Collector	4.1A	\$7.98	\$2.32
South	Jamul-Dulzura	CAMPO	STEELE CANYON	RANCHO MIGUEL	State	0.18	Town Collector	4.1A	\$7.98	\$1.44
South	Jamul-Dulzura	CAMPO	RANCHO MIGUEL	VISTA SAGE	State	1.13	Town Collector	4.1A	\$7.98	\$9.02
South	Jamul-Dulzura	CAMPO	VISTA SAGE	VISTA DIEGO	State	0.62	Town Collector	4.1A	\$7.98	\$4.95
South	Jamul-Dulzura	CAMPO	VISTA DIEGO	LYONS VALLEY	State	0.09	Town Collector	4.1A	\$7.98	\$0.72
South	Jamul-Dulzura	CAMPO	LYONS VALLEY	UNKNOWN	State	0.21	Town Collector	4.1A	\$7.98	\$1.68
South	Jamul-Dulzura	CAMPO	UNKNOWN	JEFFERSON	State	0.13	Town Collector	4.1A	\$7.98	\$1.04
South	Jamul-Dulzura	CAMPO	JEFFERSON	ZONE CONNECTOR	State	0.28	Town Collector	4.1A	\$7.98	\$2.24
South	Jamul-Dulzura	CAMPO	ZONE CONNECTOR	MAXFIELD	State	0.09	Town Collector	4.1A	\$7.98	\$0.72
South	Jamul-Dulzura	CAMPO	MAXFIELD	HILLSIDE	State	0.16	Town Collector	4.1A	\$7.98	\$1.28
South	Jamul-Dulzura	CAMPO	HILLSIDE	MELODY	State	0.35	Town Collector	4.1A	\$7.98	\$2.79
South	Jamul-Dulzura	JEFFERSON	LYONS VALLEY	OLIVE VISTA	Local	0.06	Light Collector	2.2A	\$4.89	\$0.29
South	Jamul-Dulzura	JEFFERSON	OLIVE VISTA	ZONE CONNECTOR	Local	0.18	Light Collector	2.2A	\$4.89	\$0.88
South	Jamul-Dulzura	JEFFERSON	ZONE CONNECTOR	PROCTOR VALLEY	Local	0.15	Light Collector	2.2A	\$4.89	\$0.73
South	Jamul-Dulzura	LYONS VALLEY	CAMPO	OLIVE VISTA	Local	0.19	Light Collector	2.2B	\$3.39	\$0.64
South	Jamul-Dulzura	LYONS VALLEY	OLIVE VISTA	JEFFERSON	Local	0.18	Light Collector	2.2B	\$3.39	\$0.61
South	Jamul-Dulzura	LYONS VALLEY	JEFFERSON	RESERVOIR	Local	0.19	Light Collector	2.2B	\$3.39	\$0.64
South	Jamul-Dulzura	LYONS VALLEY	RESERVOIR	JAMUL	Local	0.18	Light Collector	2.2B	\$3.39	\$0.61
South	Jamul-Dulzura	LYONS VALLEY	JAMUL	RIO GRANDE	Local	0.42	Light Collector	2.2B	\$3.39	\$1.43
South	Jamul-Dulzura	LYONS VALLEY	RIO GRANDE	PEG LEG MINE	Local	0.06	Light Collector	2.2B	\$3.39	\$0.20
South	Jamul-Dulzura	LYONS VALLEY	PEG LEG MINE	ROCKY SAGE	Local	0.24	Light Collector	2.2B	\$3.39	\$0.81
South	Jamul-Dulzura	LYONS VALLEY	ROCKY SAGE	SC 760	Local	0.04	Light Collector	2.2B	\$3.39	\$0.14
South	Jamul-Dulzura	LYONS VALLEY	SC 760	SKYLINE TRUCK	Local	0.12	Light Collector	2.2B	\$3.39	\$0.41
South	Jamul-Dulzura	LYONS VALLEY	HONEY SPRINGS	BARRETT LAKE	Local	1.7	Light Collector	2.2F	\$0.49	\$0.82
South	Jamul-Dulzura	LYONS VALLEY	BARRETT LAKE	UNKNOWN	Local	1.74	Light Collector	2.2F	\$0.49	\$0.84
South	Jamul-Dulzura	LYONS VALLEY	UNKNOWN	UNKNOWN	Local	0.57	Light Collector	2.2F	\$0.49	\$0.28
South	Jamul-Dulzura	SR-94	CAMPO	CAMPO	State	0.42	Town Collector	4.1A	\$7.98	\$3.35
South	Jamul-Dulzura	STEELE CANYON	OLD CALIFORNIA	VISTA CIELO	Regional	0.28	Light Collector	4.1B	\$7.06	\$1.98
South	Jamul-Dulzura	STEELE CANYON	VISTA CIELO	CAMPO	Regional	0.18	Light Collector	4.1B	\$7.06	\$1.27

### Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost	
South	Lakeside	ASHWOOD	WILLOW	ZONE CONNECTOR	Regional	0.43	Light Collector	4.1A	\$11.38	\$4.89	
South	Lakeside	ASHWOOD	ZONE CONNECTOR	ZONE CONNECTOR	Regional	0.38	Light Collector	4.1A	\$11.38	\$4.32	
South	Lakeside	ASHWOOD	ZONE CONNECTOR	MAPLEVIEW	Regional	0.18	Light Collector	4.1A	\$11.38	\$2.05	
South	Lakeside	BALLANTYNE	GRAVES	HART	Regional	0.13	Light Collector	4.2B	\$7.11	\$0.92	
South	Lakeside	BALLANTYNE	HART	BROADWAY	Regional	0.07	Light Collector	4.2B	\$7.11	\$0.50	
South	Lakeside	BRADLEY	MAGNOLIA	RAMP SR-67 SB	RAS	0.06	Light Collector	4.1B	\$7.06	\$0.42	
South	Lakeside	BRADLEY	RAMP SR-67 SB	RAMP SR-67 NB	RAS	0.08	Light Collector	4.1B	\$7.06	\$0.56	
South	Lakeside	BRADLEY	RAMP SR-67 NB	GRAVES	RAS	0.05	Light Collector	4.1B	\$7.06	\$0.35	
South	Lakeside	BRADLEY	GRAVES	201	RAS	0.11	Light Collector	4.1B	\$7.06	\$0.78	
South	Lakeside	BRADLEY	325/360		RAS	0.09	Light Collector	4.1B	\$7.06	\$0.64	
South	Lakeside	BRADLEY	325/360	450/465-MHP/469	RAS	0.12	Light Collector	4.1B	\$7.06	\$0.85	
South	Lakeside	BRADLEY	450/465-MHP/469	MOLLISON	RAS	0.1	Light Collector	4.1B	\$7.06	\$0.71	
South	Lakeside	BRADLEY	UNKNOWN	01ST	RAS	0.12	Light Collector	4.1B	\$7.06	\$0.85	
South	Lakeside	BRADLEY	01ST	SOMERLANE	RAS	0.36	New	4.1B	\$20.56	\$7.40	
South	Lakeside	BROAD OAKS	HAWLEY	SC 1930	Local	0.54	New	2.3C	\$12.00	\$6.48	
South	Lakeside	GRAVES	PEPPER	DANNY	Regional	0.23	Light Collector	4.1B	\$7.06	\$1.62	
South	Lakeside	GRAVES	DANNY	BRADLEY	Regional	0.21	Light Collector	4.1B	\$7.06	\$1.48	
South	Lakeside	I-8 BUSINESS	12970-RANCH VALLEY	LAVALA	Regional	0.15	Light Collector	4.2B	\$7.11	\$1.07	
South	Lakeside	I-8 BUSINESS	13162(TERRACE VIEW)	12970-RANCH VALLEY	Regional	0.18	Light Collector	4.2B	\$7.11	\$1.28	
South	Lakeside	I-8 BUSINESS	JACKSON HILL	13162	13162(TERRACE VIEW)	Regional	0.13	Light Collector	4.2B	\$7.11	\$0.92
South	Lakeside	I-8 BUSINESS	13162	JACKSON HILL	0.13	Light Collector	4.2B	\$7.11	\$0.92		
South	Lakeside	I-8 BUSINESS	UNKNOWN	13162	UNKNOWN	0.17	Light Collector	4.2B	\$7.11	\$1.21	
South	Lakeside	I-8 BUSINESS	LOS COCHES/CM CANADA		LOS COCHES/CM CANADA	0.16	Light Collector	4.2B	\$7.11	\$1.14	
South	Lakeside	I-8 BUSINESS	13439(VONS)	LOS COCHES/CM CANADA	Regional	0.04	Light Collector	4.2B	\$7.11	\$0.28	
South	Lakeside	I-8 BUSINESS	WAL-MART	13439(VONS)	Regional	0.02	Light Collector	4.2B	\$7.11	\$0.14	
South	Lakeside	I-8 BUSINESS	13450-LAMPLITER	WAL-MART	Regional	0.02	Light Collector	4.2B	\$7.11	\$0.14	
South	Lakeside	I-8 BUSINESS	13460-PANARAMA	13450-LAMPLITER	Regional	0.07	Light Collector	4.2B	\$7.11	\$0.50	
South	Lakeside	I-8 BUSINESS	13468	13460-PANARAMA	Regional	0.14	Light Collector	4.2B	\$7.11	\$1.00	
South	Lakeside	I-8 BUSINESS	13490	13468	Regional	0.12	Light Collector	4.2B	\$7.11	\$0.85	
South	Lakeside	I-8 BUSINESS	13545		13490	0.09	Light Collector	4.2B	\$7.11	\$0.64	
South	Lakeside	I-8 BUSINESS	13594	13594	13545	0.08	Light Collector	4.2B	\$7.11	\$0.57	
South	Lakeside	I-8 BUSINESS	13655/LAKE VIEW		13594	0.14	Light Collector	4.2B	\$7.11	\$1.00	
South	Lakeside	I-8 BUSINESS	13720(TWDW MHP)	13655/LAKE VIEW	Regional	0.14	Light Collector	4.2B	\$7.11	\$1.00	
South	Lakeside	I-8 BUSINESS	LAKEVIEW/13754	13720(TWDW MHP)	Regional	0.09	Light Collector	4.2B	\$7.11	\$0.64	
South	Lakeside	I-8 BUSINESS	13792(HILLS MHP)	LAKEVIEW/13754	Regional	0.08	Light Collector	4.2B	\$7.11	\$0.57	
South	Lakeside	I-8 BUSINESS	PINKARD	13792(HILLS MHP)	Regional	0.15	Light Collector	4.2B	\$7.11	\$1.07	
South	Lakeside	I-8 BUSINESS	UNKNOWN	PINKARD	Regional	0.08	Light Collector	4.2B	\$7.11	\$0.57	
South	Lakeside	I-8 BUSINESS	LAKESIDE FIRE DEPT	UNKNOWN	Regional	0.13	Light Collector	4.2B	\$7.11	\$0.92	
South	Lakeside	I-8 BUSINESS	UNKNOWN	LAKESIDE FIRE DEPT	Regional	0.16	Light Collector	4.2B	\$7.11	\$1.14	
South	Lakeside	I-8 BUSINESS	LAKE JENNINGS PARK	UNKNOWN	Regional	0.17	Light Collector	4.2B	\$7.11	\$1.21	
South	Lakeside	INDUSTRY	WINTER GARDENS	MAPLEVIEW	Regional	0.06	Light Collector	4.1A	\$11.38	\$0.68	
South	Lakeside	LAKE JENNINGS PARK	MAPLEVIEW	PINO	RAS	0.16	Collector	4.1A	\$4.82	\$0.77	
South	Lakeside	LAKE JENNINGS PARK	PINO	WINCHESTER	RAS	0.32	Collector	4.1A	\$4.82	\$1.54	
South	Lakeside	LAKE JENNINGS PARK	WINCHESTER	EL MONTE	RAS	0.31	Collector	4.1A	\$4.82	\$1.49	
South	Lakeside	LAKE JENNINGS PARK	EL MONTE	ZONE CONNECTOR	RAS	0.5	Light Collector	4.1B	\$7.06	\$3.53	

## Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
South	Lakeside	LAKE JENNINGS PARK	ZONE CONNECTOR	AMERICAN	RAS	0.37	Light Collector	4.1B	\$7.06	\$2.61
South	Lakeside	LAKE JENNINGS PARK	AMERICAN	PINKARD	RAS	0.5	Light Collector	4.1B	\$7.06	\$3.53
South	Lakeside	LAKE JENNINGS PARK	PINKARD	HARRITT	RAS	0.1	Light Collector	4.1B	\$7.06	\$0.71
South	Lakeside	LAKE JENNINGS PARK	HARRITT	JENNINGS VISTA	RAS	0.03	Light Collector	4.1B	\$7.06	\$0.21
South	Lakeside	LAKE JENNINGS PARK	JENNINGS VISTA	HWY 8/BLOSSOM VALLEY	RAS	0.08	Light Collector	4.1B	\$7.06	\$0.56
South	Lakeside	LAKE JENNINGS PARK	HWY 8/BLOSSOM VALLEY	RAMP I-8 WB	RAS	0.05	Light Collector	4.1B	\$7.06	\$0.35
South	Lakeside	LAKE JENNINGS PARK	RAMP I-8 WB	RAMP I-8 WB	RAS	0.03	Light Collector	4.1B	\$7.06	\$0.21
South	Lakeside	LAKE JENNINGS PARK	RAMP I-8 WB	SIERRA ALTA	RAS	0.04	Light Collector	4.1B	\$7.06	\$0.28
South	Lakeside	MAGNOLIA	AIRPORT	1681	Regional	0.15	Light Collector	4.1B	\$7.06	\$1.06
South	Lakeside	MAGNOLIA	DENNY		Regional	0.12	Light Collector	4.1B	\$7.06	\$0.85
South	Lakeside	MAGNOLIA	BRADLEY		Regional	0.15	Light Collector	4.1B	\$7.06	\$1.06
South	Lakeside	MAGNOLIA	CYPRESS		Regional	0.17	Light Collector	4.1B	\$7.06	\$1.20
South	Lakeside	MAGNOLIA	UNKNOWN		Regional	0.14	Light Collector	4.1B	\$7.06	\$0.99
South	Lakeside	MAPLEVIEW	ZONE CONNECTOR		Regional	0.15	New	4.1A	\$22.70	\$3.40
South	Lakeside	MAPLEVIEW	CHANNEL		Regional	0.24	New	4.1A	\$22.70	\$5.45
South	Lakeside	MAPLEVIEW	CHANNEL		Regional	0.17	Light Collector	4.1A	\$11.38	\$1.93
South	Lakeside	MAPLEVIEW	RAMP SR-67 SB		RAS	0.03	Light Collector	4.1A	\$11.38	\$0.34
South	Lakeside	MAPLEVIEW	UNKNOWN		RAS	0.02	Light Collector	4.1A	\$11.38	\$0.23
South	Lakeside	MAPLEVIEW	UNKNOWN	MAINE	RAS	0.03	Light Collector	4.1A	\$11.38	\$0.34
South	Lakeside	MAPLEVIEW	MAINE	VINE	RAS	0.04	Light Collector	4.1A	\$11.38	\$0.46
South	Lakeside	MAPLEVIEW	VINE	UNKNOWN	RAS	0.15	Collector	4.1A	\$4.82	\$0.72
South	Lakeside	MAPLEVIEW	UNKNOWN	ASHWOOD	RAS	0.08	Collector	4.1A	\$4.82	\$0.39
South	Lakeside	MAPLEVIEW	ASHWOOD	#NAME?	RAS	0.32	Collector	4.1A	\$4.82	\$1.54
South	Lakeside	MAST	LOS RANCHITOS	UNNAMED LKS	Regional	0.14	New	4.1B	\$20.56	\$2.88
South	Lakeside	MAST	UNNAMED LKS	UNKNOWN	Regional	0.22	New	4.1B	\$20.56	\$4.52
South	Lakeside	MAST	UNKNOWN	RIVERFORD	Regional	0.24	New	4.1B	\$20.56	\$4.94
South	Lakeside	OLDE 80	RAMP I-8 EB	PECAN PARK	Regional	0.03	Light Collector	4.1B	\$7.06	\$0.21
South	Lakeside	OLDE 80	PECAN PARK	PECAN PARK	Regional	0.3	Light Collector	4.1B	\$7.06	\$2.12
South	Lakeside	OLDE 80	PECAN PARK	14315/14328	Regional	0.07	Light Collector	4.1B	\$7.06	\$0.49
South	Lakeside	OLDE 80	14315/14328	BOND	Regional	0.08	Light Collector	4.1B	\$7.06	\$0.56
South	Lakeside	OLDE 80	BOND	ZONE CONNECTOR	Regional	0.2	Light Collector	4.1B	\$7.06	\$1.41
South	Lakeside	OLDE 80	ZONE CONNECTOR	CHIMNEY ROCK	Regional	0.09	Light Collector	4.1B	\$7.06	\$0.64
South	Lakeside	OLDE 80	CHIMNEY ROCK	UNKNOWN	Regional	0.21	Light Collector	4.1B	\$7.06	\$1.48
South	Lakeside	OLDE 80	UNKNOWN	MARINA SPRINGS	Regional	0.18	Light Collector	4.1B	\$7.06	\$1.27
South	Lakeside	OLDE 80	MARINA SPRINGS	LABRADOR	Local	0.24	Light Collector	2.2B	\$3.39	\$0.81
South	Lakeside	OLDE 80	LABRADOR	FLINN SPRINGS	Local	0.45	Light Collector	2.2B	\$3.39	\$1.53
South	Lakeside	OLDE 80	FLINN SPRINGS	15141 HOLIDAY R	Local	0.15	Light Collector	2.2B	\$3.39	\$0.51
South	Lakeside	OLDE 80	15141 HOLIDAY R	15353/OAK CREEK	Local	0.43	Light Collector	2.2B	\$3.39	\$1.46
South	Lakeside	OLDE 80	15353/OAK CREEK	15405/15420(MHP)	Local	0.12	Light Collector	2.2B	\$3.39	\$0.41
South	Lakeside	OLDE 80	15405/15420(MHP)	HAWLEY	Local	0.37	Light Collector	2.2B	\$3.39	\$1.26
South	Lakeside	OLDE 80	HAWLEY	SILVA	Local	0.54	Light Collector	2.2B	\$3.39	\$1.83
South	Lakeside	OLDE 80	SILVA	DUNBAR	Local	0.08	Light Collector	2.2B	\$3.39	\$0.27
South	Lakeside	PEPPER	SOMERLANE	02ND/WINTER GARDENS	RAS	0.09	Light Collector	4.1B	\$7.06	\$0.64
South	Lakeside	PEPPER	SOMERLANE	02ND/WINTER GARDENS	RAS	0.16	Light Collector	4.1B	\$7.06	\$1.13
South	Lakeside	RIVERFORD	RIVERSIDE/MAST	UNKNOWN	Regional	0.1	Town Collector	6.2	\$22.25	\$2.22

## Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
South	Lakeside	RIVERFORD	UNKNOWN	WOODSIDE(N)	Regional	0.22	Town Collector	6.2	\$22.25	\$4.89
South	Lakeside	RIVERFORD	WOODSIDE(N)	RAMP SR-67 SB	Regional	0.04	Town Collector	6.2	\$22.25	\$0.89
South	Lakeside	RIVERFORD	RAMP SR-67 SB	WOODSIDE	Regional	0.09	Town Collector	4.1B	\$3.73	\$0.34
South	Lakeside	RIVERSIDE	RIVERFORD	PALM ROW	Regional	0.28	Light Collector	4.1B	\$7.06	\$1.98
South	Lakeside	RIVERSIDE	PALM ROW	VISTA CAMINO	Regional	0.21	Light Collector	4.1B	\$7.06	\$1.48
South	Lakeside	RIVERSIDE	VISTA CAMINO	CHARLESTON BAY	Regional	0.18	Light Collector	4.1B	\$7.06	\$1.27
South	Lakeside	RIVERSIDE	CHARLESTON BAY	VALLE VISTA BYPASS	Regional	0.14	Light Collector	4.1B	\$7.06	\$0.99
South	Lakeside	RIVERSIDE	VALLE VISTA BYPASS	VALLE VISTA BYPASS	Regional	0.04	Light Collector	4.1B	\$7.06	\$0.28
South	Lakeside	RIVERSIDE	VALLE VISTA BYPASS	LAKESIDE	Regional	0.14	Light Collector	4.1B	\$7.06	\$0.99
South	Lakeside	SIERRA ALTA	RAMP I-8 EB	OLDE 80	RAS	0.03	Light Collector	4.1B	\$7.06	\$0.21
South	Lakeside	SIERRA ALTA	RAMP I-8 EB	RAMP I-8 EB	RAS	0.03	Light Collector	4.1B	\$7.06	\$0.21
South	Lakeside	SIERRA ALTA	LAKE JENNINGS PARK	RAMP I-8 EB	RAS	0.03	Light Collector	4.1B	\$7.06	\$0.21
South	Lakeside	SR-67	SCRIPPS POWAY	SYCAMORE PARK	State	0.69	Town Collector	4.1A	\$7.98	\$5.51
South	Lakeside	SR-67	SYCAMORE PARK	UNKNOWN	State	0.39	Town Collector	4.1A	\$7.98	\$3.11
South	Lakeside	SR-67	UNKNOWN	UNKNOWN	State	1.12	Town Collector	4.1A	\$7.98	\$8.94
South	Lakeside	SR-67	SLAUGHTERHOUSE CNYN	VIGILANTE	State	0.23	Light Collector	4.1A	\$11.38	\$2.62
South	Lakeside	SR-67	VIGILANTE	UNKNOWN	State	0.24	Light Collector	4.1A	\$11.38	\$2.73
South	Lakeside	SR-67	UNKNOWN	JOHNSON LAKE	State	0.35	Light Collector	4.1A	\$11.38	\$3.98
South	Lakeside	SR-67	JOHNSON LAKE	POST HILL	State	0.7	Light Collector	4.1A	\$11.38	\$7.96
South	Lakeside	SR-67	POST HILL	ZONE CONNECTOR	State	0.62	Light Collector	4.1A	\$11.38	\$7.05
South	Lakeside	SR-67	ZONE CONNECTOR	UNKNOWN	State	0.4	Light Collector	4.1A	\$11.38	\$4.55
South	Lakeside	SR-67	UNKNOWN	WILLOW	State	0.13	Light Collector	4.1A	\$11.38	\$1.48
South	Lakeside	SR-67	WILLOW	UNKNOWN	State	0.15	New	4.1A	\$22.70	\$3.40
South	Lakeside	SR-67	UNKNOWN	UNKNOWN	State	0.38	Light Collector	4.1A	\$11.38	\$4.32
South	Lakeside	UNNAMED LKS	EL NOPAL	MAST	Local	0.24	New	2.2E	\$12.75	\$3.06
South	Lakeside	WILLOW NEW	WILLOW	LAKESIDE	RAS	0.32	New	2.2E	\$12.75	\$4.08
South	Lakeside	WINTER GARDENS	INDUSTRY	RAMP	Regional	0.03	Collector	4.1A	\$4.82	\$0.14
South	Lakeside	WINTER GARDENS	RAMP	RAMP SR-67 SB	RAS	0.01	Collector	4.1A	\$4.82	\$0.05
South	Lakeside	WINTER GARDENS	RAMP SR-67 SB	RAMP SR-67 SB	RAS	0.03	Collector	4.1A	\$4.82	\$0.14
South	Lakeside	WINTER GARDENS	RAMP SR-67 SB	RAMP SR-67 NB	RAS	0.1	Collector	4.1A	\$4.82	\$0.48
South	Lakeside	WINTER GARDENS	RAMP SR-67 NB	WOODSIDE	RAS	0.09	Collector	4.1A	\$4.82	\$0.43
South	Lakeside	WINTER GARDENS	LEMON CREST	ZONE CONNECTOR	RAS	0.12	Collector	4.1A	\$4.82	\$0.58
South	Lakeside	WINTER GARDENS	ZONE CONNECTOR	ROCKCREST	RAS	0.09	Collector	4.1A	\$4.82	\$0.43
South	Lakeside	WINTER GARDENS	ROCKCREST	FAIR	RAS	0.39	Collector	4.1A	\$4.82	\$1.88
South	Lakeside	WINTER GARDENS	FAIR	GAY RIO	RAS	0.16	Collector	4.1A	\$4.82	\$0.77
South	Lakeside	WINTER GARDENS	GAY RIO	CREEKFORD	RAS	0.03	Collector	4.1A	\$4.82	\$0.14
South	Lakeside	WINTER GARDENS	CREEKFORD	8755/8760	RAS	0.19	Collector	4.1A	\$4.82	\$0.92
South	Lakeside	WINTER GARDENS	8755/8760	8661-MHP	RAS	0.1	Collector	4.1A	\$4.82	\$0.48
South	Lakeside	WINTER GARDENS	8661-MHP	SAPOTA	RAS	0.21	Collector	4.1A	\$4.82	\$1.01
South	Lakeside	WINTER GARDENS	SAPOTA	GOLDEN RIDGE	RAS	0.13	Collector	4.1A	\$4.82	\$0.63
South	Lakeside	WINTER GARDENS	GOLDEN RIDGE	SHORT/ORCHARD	RAS	0.24	Collector	4.1A	\$4.82	\$1.16
South	Lakeside	WINTER GARDENS	SHORT/ORCHARD	ROYAL	RAS	0.13	Collector	4.1A	\$4.82	\$0.63
South	Lakeside	WINTER GARDENS	ROYAL	PEPPER	RAS	0.24	Collector	4.1A	\$4.82	\$1.16
South	Lakeside	WOODSIDE	SECURITY	RAMP SR-67 NB	Regional	0.03	Light Collector	4.2A	\$10.97	\$0.33
South	Lakeside	WOODSIDE	RAMP SR-67 NB	RIVERFORD	Regional	0.06	Light Collector	4.2A	\$10.97	\$0.66

## Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
South	Lakeside	WOODSIDE	RIVERFORD	RAMP SR-67 NB	Regional	0.06	Light Collector	4.2A	\$10.97	\$0.66
South	Lakeside	WOODSIDE	RAMP SR-67 NB	UNKNOWN	Regional	0.19	Light Collector	4.2A	\$10.97	\$2.08
South	Lakeside	WOODSIDE	UNKNOWN	MARILLA	Regional	0.11	Light Collector	4.2A	\$10.97	\$1.21
South	Lakeside	WOODSIDE	MARILLA	UNKNOWN	Regional	0.1	Light Collector	4.2A	\$10.97	\$1.10
South	Lakeside	WOODSIDE	UNKNOWN	RIVERVIEW	Regional	0.11	Light Collector	4.2A	\$10.97	\$1.21
South	Lakeside	WOODSIDE	RIVERVIEW	11980/12001-APTS	Regional	0.18	Light Collector	4.2A	\$10.97	\$1.98
South	Lakeside	WOODSIDE	11980/12001-APTS	WINTER GARDENS	Regional	0.17	Light Collector	4.2A	\$10.97	\$1.87
South	Otay	AIRWAY	FARADAY	ENRICO FERMI	Regional	0.24	Light Collector	4.1A	\$11.38	\$2.73
South	Otay	AIRWAY	ENRICO FERMI	UNKNOWN	Regional	0.26	New	4.1A	\$22.70	\$5.90
South	Otay	AIRWAY	UNKNOWN	ALTA	Regional	0.25	New	4.1A	\$22.70	\$5.67
South	Otay	AIRWAY	ALTA	LOOP	Regional	0.35	New	4.1A	\$22.70	\$7.94
South	Otay	ALTA	LONE STAR	OTAY MESA	Regional	0.29	Light Collector	4.1A	\$11.38	\$3.30
South	Otay	ALTA	OTAY MESA	ZONE CONNECTOR	Regional	0.15	New	4.1A	\$22.70	\$3.40
South	Otay	ALTA	ZONE CONNECTOR	ZONE CONNECTOR	Regional	0.22	New	4.1A	\$22.70	\$4.99
South	Otay	ALTA	ZONE CONNECTOR	AIRWAY	Regional	0.13	New	4.1A	\$22.70	\$2.95
South	Otay	ALTA	AIRWAY	UNKNOWN	Regional	0.1	New	4.1A	\$22.70	\$2.27
South	Otay	ALTA	UNKNOWN	SIEMPRE VIVA	Regional	0.13	New	4.1A	\$22.70	\$2.95
South	Otay	ENRICO FERMI	OTAY MESA	LONE STAR	Regional	0.3	Light Collector	4.1A	\$11.38	\$3.41
South	Otay	ENRICO FERMI	OTAY MESA	ZONE CONNECTOR	Regional	0.1	Town Collector	4.1A	\$7.98	\$0.80
South	Otay	ENRICO FERMI	ZONE CONNECTOR	RAMP SR-11 WB	Regional	0.1	Town Collector	4.1A	\$7.98	\$0.80
South	Otay	ENRICO FERMI	RAMP SR-11 WB	RAMP SR-11 EB	Regional	0.09	Town Collector	4.1A	\$7.98	\$0.72
South	Otay	ENRICO FERMI	RAMP SR-11 EB	ZONE CONNECTOR	Regional	0.09	Town Collector	4.1A	\$7.98	\$0.72
South	Otay	ENRICO FERMI	ZONE CONNECTOR	AIRWAY	Regional	0.12	Town Collector	4.1A	\$7.98	\$0.96
South	Otay	ENRICO FERMI	AIRWAY	SIEMPRE VIVA	Regional	0.23	Town Collector	4.1A	\$7.98	\$1.84
South	Otay	LA MEDIA	ZONE CONNECTOR	LONESTAR	Regional	0.32	New	6.2	\$31.21	\$9.99
South	Otay	LONE STAR	PASEO DE LAS AMERICA	FARADAY	RAS	0.2	New	4.1A	\$22.70	\$4.54
South	Otay	LONE STAR	FARADAY	ENRICO FERMI	RAS	0.25	New	4.1A	\$22.70	\$5.67
South	Otay	LONE STAR	ENRICO FERMI	ZONE CONNECTOR	RAS	0.24	New	4.1A	\$22.70	\$5.45
South	Otay	LONE STAR	ZONE CONNECTOR	ALTA	RAS	0.27	New	4.1A	\$22.70	\$6.13
South	Otay	LONESTAR	PIPER RANCH	NEW HARVEST	RAS	0.1	New	6.2	\$31.21	\$3.12
South	Otay	LONESTAR	NEW HARVEST	NATIONAL UNIVERSITY	RAS	0.1	New	4.1A	\$22.70	\$2.27
South	Otay	LONESTAR	NATIONAL UNIVERSITY	HARVEST	RAS	0.09	New	4.1A	\$22.70	\$2.04
South	Otay	LONESTAR	HARVEST	HARVEST	RAS	0.09	New	4.1A	\$22.70	\$2.04
South	Otay	LONESTAR	HARVEST	SANYO	RAS	0.4	New	4.1A	\$22.70	\$9.08
South	Otay	LONESTAR	SANYO	PASEO DE LAS AMERICA	RAS	0.27	New	4.1A	\$22.70	\$6.13
South	Otay	LOOP	ALTA	ZONE CONNECTOR	Regional	0.2	Town Collector	4.1A	\$7.98	\$1.60
South	Otay	LOOP	ZONE CONNECTOR	OTAY MESA	Regional	0.26	Town Collector	4.1A	\$7.98	\$2.08
South	Otay	LOOP	SIEMPRE VIVA	ZONE CONNECTOR	Regional	0.18	New	4.1A	\$22.70	\$4.09
South	Otay	LOOP	ZONE CONNECTOR	AIRWAY	Regional	0.16	New	4.1A	\$22.70	\$3.63
South	Otay	LOOP	AIRWAY	RAMP SR-11 EB	Regional	0.08	New	4.1A	\$22.70	\$1.82
South	Otay	LOOP	RAMP SR-11 EB	RAMP SR-11 WB	Regional	0.09	New	4.1A	\$22.70	\$2.04
South	Otay	LOOP	RAMP SR-11 WB	ZONE CONNECTOR	Regional	0.09	New	4.1A	\$22.70	\$2.04
South	Otay	LOOP	OTAY MESA	ZONE CONNECTOR	Regional	0.47	New	4.1A	\$22.70	\$10.67
South	Otay	NEW HARVEST	LONESTAR	UNKNOWN	Regional	0.13	New	4.1A	\$22.70	\$2.95
South	Otay	NEW HARVEST	UNKNOWN	UNNAMED	Regional	0.09	New	4.1A	\$22.70	\$2.04

## Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
South	Otay	NEW HARVEST	UNNAMED	UNKNOWN	Regional	0.2	New	4.1A	\$22.70	\$4.54
South	Otay	NEW HARVEST	UNKNOWN	HARVEST	Regional	0.12	New	4.1A	\$22.70	\$2.72
South	Otay	NEW HARVEST	HARVEST	UNNAMED	Regional	0.13	New	4.1A	\$22.70	\$2.95
South	Otay	NEW HARVEST	UNNAMED	HARVEST	Regional	0.2	New	4.1A	\$22.70	\$4.54
South	Otay	OTAY LAKES	WUESTE	UNKNOWN	RAS	0.14	Light Collector	4.1B	\$7.06	\$0.99
South	Otay	OTAY LAKES	WUESTE	UNKNOWN	RAS	0.26	Light Collector	4.1B	\$7.06	\$1.83
South	Otay	OTAY LAKES	UNKNOWN	ZONE CONNECTOR	RAS	0.82	Light Collector	4.1B	\$7.06	\$5.79
South	Otay	OTAY LAKES	ZONE CONNECTOR	UNKNOWN	RAS	0.89	Light Collector	4.1B	\$7.06	\$6.28
South	Otay	OTAY MESA	SANYO	PASEO DE LAS AMERICA	RAS	0.06	Light Collector	6.2	\$23.94	\$1.44
South	Otay	OTAY MESA	PASEO DE LAS AMERICA	FARADAY	RAS	0.2	Light Collector	6.2	\$23.94	\$4.79
South	Otay	OTAY MESA	FARADAY	ENRICO FERMI	RAS	0.23	Light Collector	6.2	\$23.94	\$5.51
South	Otay	OTAY MESA	ENRICO FERMI	BONITA VISTA HIGH	RAS	0.27	Light Collector	4.1A	\$11.38	\$3.07
South	Otay	OTAY MESA	BONITA VISTA HIGH	ALTA	RAS	0.24	Light Collector	4.1A	\$11.38	\$2.73
South	Otay	OTAY MESA	ALTA	LOOP	RAS	0.27	New	4.1A	\$22.70	\$6.13
South	Otay	SIEMPRE VIVA	ENRICO FERMI	BASE STABLES	RAS	0.28	New	4.1A	\$22.70	\$6.36
South	Otay	SIEMPRE VIVA	BASE STABLES	LOOP	RAS	0.23	New	4.1A	\$22.70	\$5.22
South	Spring Valley	CAMPO	BROADWAY	RAMP SR-125 NB	RAS	0.07	Collector	4.1A	\$4.82	\$0.34
South	Spring Valley	CAMPO	RAMP SR-125 NB	KENWOOD	RAS	0.08	Light Collector	4.1A	\$11.38	\$0.91
South	Spring Valley	CAMPO	KENWOOD	TERRACE	RAS	0.14	Light Collector	4.1A	\$11.38	\$1.59
South	Spring Valley	CAMPO	CAMPO/SWEETWATER SPN	SWEETWATER SPRINGS	RAS	0.09	Collector	4.1A	\$4.82	\$0.43
South	Spring Valley	JAMACHA BOULEVARD	ZONE CONNECTOR	PARADISE VALLEY	RAS	0.14	Collector	4.1A	\$4.82	\$0.67
South	Spring Valley	JAMACHA BOULEVARD	THAYER	ZONE CONNECTOR	RAS	0.17	Collector	4.1A	\$4.82	\$0.82
South	Spring Valley	JAMACHA BOULEVARD	KEMPTON	THAYER	RAS	0.15	Collector	4.1A	\$4.82	\$0.72
South	Spring Valley	JAMACHA BOULEVARD	SACRAMENTO	KEMPTON	RAS	0.18	Collector	4.1A	\$4.82	\$0.87
South	Spring Valley	JAMACHA BOULEVARD	GRAND	SACRAMENTO	RAS	0.07	Collector	4.1A	\$4.82	\$0.34
South	Spring Valley	JAMACHA BOULEVARD	RAMONA	GRAND	RAS	0.15	Collector	4.1A	\$4.82	\$0.72
South	Spring Valley	JAMACHA BOULEVARD	LA PRESA	RAMONA	RAS	0.1	Collector	4.1A	\$4.82	\$0.48
South	Spring Valley	JAMACHA BOULEVARD	SAN JUAN	LA PRESA	RAS	0.14	Town Collector	4.1A	\$7.98	\$1.12
South	Spring Valley	JAMACHA BOULEVARD	SAN MIGUEL	SAN JUAN	RAS	0.05	Town Collector	4.1A	\$7.98	\$0.40
South	Spring Valley	JAMACHA BOULEVARD	SAN DIEGO	SAN MIGUEL	RAS	0.17	Town Collector	4.1A	\$7.98	\$1.36
South	Spring Valley	JAMACHA BOULEVARD	OMEGA	SAN DIEGO	RAS	0.15	Town Collector	4.1A	\$7.98	\$1.20
South	Spring Valley	JAMACHA BOULEVARD	MAYA	OMEGA	RAS	0.39	Town Collector	4.1A	\$7.98	\$3.11
South	Spring Valley	JAMACHA BOULEVARD	WHITESTONE	MAYA	RAS	0.3	Town Collector	4.1A	\$7.98	\$2.39
South	Spring Valley	JAMACHA BOULEVARD	SPRING GLEN	WHITESTONE	RAS	0.32	Town Collector	4.1A	\$7.98	\$2.55
South	Spring Valley	JAMACHA BOULEVARD	JAMACHA	SPRING GLEN	RAS	0.09	Town Collector	4.1A	\$7.98	\$0.72
South	Spring Valley	JAMACHA BOULEVARD	RAMP	JAMACHA	RAS	0.13	Town Collector	4.1A	\$7.98	\$1.04
South	Spring Valley	JAMACHA BOULEVARD	SWEETWATER SPRINGS	RAMP	RAS	0.26	Town Collector	4.1A	\$7.98	\$2.08
South	Spring Valley	JAMACHA BOULEVARD	RAMP	SWEETWATER SPRINGS	RAS	0.09	Collector	4.1A	\$4.82	\$0.43
South	Spring Valley	JAMACHA BOULEVARD	10707 MHP	RAMP	RAS	0.25	Collector	4.1A	\$4.82	\$1.20
South	Spring Valley	JAMACHA BOULEVARD	CALAVO/DOUBLETREE	10707 MHP	RAS	0.26	Collector	4.1A	\$4.82	\$1.25
South	Spring Valley	JAMACHA BOULEVARD	TRACE	CALAVO/DOUBLETREE	RAS	0.21	Collector	4.1A	\$4.82	\$1.01
South	Spring Valley	JAMACHA BOULEVARD	SR-54	TRACE	RAS	0.08	Collector	4.1A	\$4.82	\$0.39
South	Spring Valley	SWEETWATER SPRINGS	RAMP SR-94 EB	CAMPO	RAS	0.05	Collector	4.1A	\$4.82	\$0.24
South	Spring Valley	SWEETWATER SPRINGS	CAMPO	DEL RIO	RAS	0.08	Collector	4.1A	\$4.82	\$0.39
South	Spring Valley	SWEETWATER SPRINGS	DEL RIO	DON PICO	RAS	0.06	Collector	4.1A	\$4.82	\$0.29

## Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
South	Spring Valley	SWEETWATER SPRINGS	DON PICO	CRISTOBAL	RAS	0.08	Collector	4.1A	\$4.82	\$0.39
South	Spring Valley	SWEETWATER SPRINGS	CRISTOBAL	ROTHGARD	RAS	0.13	Collector	4.1A	\$4.82	\$0.63
South	Spring Valley	SWEETWATER SPRINGS	ROTHGARD	LOMA	RAS	0.14	Collector	4.1A	\$4.82	\$0.67
South	Spring Valley	SWEETWATER SPRINGS	LOMA	MONTE VISTA HIGH	RAS	0.06	Collector	4.1A	\$4.82	\$0.29
South	Spring Valley	SWEETWATER SPRINGS	MONTE VISTA HIGH	UNKNOWN	RAS	0.07	Collector	4.1A	\$4.82	\$0.34
South	Spring Valley	SWEETWATER SPRINGS	UNKNOWN	MOORPARK	RAS	0.11	Collector	4.1A	\$4.82	\$0.53
South	Spring Valley	SWEETWATER SPRINGS	MOORPARK	AUSTIN	RAS	0.14	Collector	4.1A	\$4.82	\$0.67
South	Spring Valley	SWEETWATER SPRINGS	AUSTIN	CALLE MARINER	RAS	0.12	Collector	4.1A	\$4.82	\$0.58
South	Spring Valley	SWEETWATER SPRINGS	CALLE MARINER	RAMP	RAS	0.21	Collector	4.1A	\$4.82	\$1.01
South	Spring Valley	SWEETWATER SPRINGS	RAMP	JAMACHA BOULEVARD	RAS	0.08	Collector	4.1A	\$4.82	\$0.39
South	Spring Valley	SWEETWATER-NEW	PARADISE VALLEY	JAMACHA BOULEVARD	RAS	0.04	Light Collector	4.1A	\$11.38	\$0.46
South	Sweetwater	BONITA	CENTRAL	CHRISTIAN CENTER	RAS	0.23	Light Collector	4.1B	\$7.06	\$1.62
South	Sweetwater	BONITA	CHRISTIAN CENTER	UNKNOWN	RAS	0.19	Light Collector	4.1B	\$7.06	\$1.34
South	Sweetwater	BONITA	UNKNOWN	VILLAS	RAS	0.12	Light Collector	4.1B	\$7.06	\$0.85
South	Valle De Oro	BANCROFT	GROSSMONT SUMMIT	LEMON	Regional	0.05	Light Collector	4.2B	\$7.11	\$0.36
South	Valle De Oro	CAMPO	KENWOOD	TERRACE	RAS	0.05	Light Collector	4.1B	\$7.06	\$0.35
South	Valle De Oro	CAMPO	TERRACE	BANCROFT	RAS	0.2	Light Collector	4.1B	\$7.06	\$1.41
South	Valle De Oro	CAMPO	BANCROFT	CAMINO PAZ	RAS	0.12	Light Collector	4.1B	\$7.06	\$0.85
South	Valle De Oro	CAMPO	NORTH BARCELONA	SOUTH CORDOBA	RAS	0.09	Light Collector	4.2B	\$7.11	\$0.64
South	Valle De Oro	CAMPO	SOUTH CORDOBA	GRANADA	RAS	0.08	Light Collector	4.2B	\$7.11	\$0.57
South	Valle De Oro	CAMPO	SR-94 EB	VIA MERCADO	State	0.22	Major	6.1	\$15.77	\$3.47
South	Valle De Oro	CAMPO	VIA MERCADO	ZONE CONNECTOR	State	0.28	Major	6.1	\$15.77	\$4.42
South	Valle De Oro	CAMPO	ZONE CONNECTOR	RAMP	State	0.18	Major	6.1	\$15.77	\$2.84
South	Valle De Oro	CAMPO	RAMP	SR 54	State	0.06	Major	6.1	\$15.77	\$0.95
South	Valle De Oro	CAMPO	SR 54	JAMACHA BOULEVARD	State	0.03	Major	6.1	\$15.77	\$0.47
South	Valle De Oro	CAMPO	JAMACHA BOULEVARD	RAMP SR-94 EB	State	0.1	Major	6.1	\$15.77	\$1.58
South	Valle De Oro	CAMPO	RAMP SR-94 EB	RAMP	State	0.28	Major	6.1	\$15.77	\$4.42
South	Valle De Oro	CAMPO	RAMP	UNKNOWN	State	0.04	Major	6.1	\$15.77	\$0.63
South	Valle De Oro	CAMPO	UNKNOWN	JAMACHA ROAD	State	0.12	Major	6.1	\$15.77	\$1.89
South	Valle De Oro	CAMPO	UNKNOWN	RAMP	State	0.06	New	4.1A	\$22.70	\$1.36
South	Valle De Oro	CAMPO	UNKNOWN	SR-94	State	0.2	Light Collector	4.1A	\$11.38	\$2.28
South	Valle De Oro	CAMPO	SR-94	MILLAR RANCH	State	0.11	Light Collector	4.1A	\$11.38	\$1.25
South	Valle De Oro	CAMPO	MILLAR RANCH	UNKNOWN	State	0.35	Light Collector	4.1A	\$11.38	\$3.98
South	Valle De Oro	CAMPO	UNKNOWN	ZONE CONNECTOR	State	0.39	Town Collector	4.1A	\$7.98	\$3.11
South	Valle De Oro	CAMPO	ZONE CONNECTOR	SR-94	State	0.06	Town Collector	4.1A	\$7.98	\$0.48
South	Valle De Oro	CHASE	RANCHO VALLE	GROVE	Regional	0.28	Light Collector	4.1B	\$7.06	\$1.98
South	Valle De Oro	CHASE	GROVE	BERNITA	Regional	0.11	Light Collector	4.1B	\$7.06	\$0.78
South	Valle De Oro	CHASE	BERNITA	UNKNOWN	Regional	0.25	Light Collector	4.1B	\$7.06	\$1.76
South	Valle De Oro	CHASE	UNKNOWN	MONUMENT HILL	Regional	0.35	Light Collector	4.1B	\$7.06	\$2.47
South	Valle De Oro	CHASE	MONUMENT HILL	FUERTE	Regional	0.07	Light Collector	4.1B	\$7.06	\$0.49
South	Valle De Oro	CHASE	FUERTE	SR 54	Regional	0.15	Light Collector	4.1B	\$7.06	\$1.06
South	Valle De Oro	CHASE	SR 54	JAMACHA ROAD	Regional	0.11	Light Collector	4.1B	\$7.06	\$0.78
South	Valle De Oro	FURY	AVOCADO	UNKNOWN	Regional	0.15	Light Collector	4.1B	\$7.06	\$1.06
South	Valle De Oro	FURY	UNKNOWN	RAPATEE	Regional	0.14	Light Collector	4.1B	\$7.06	\$0.99
South	Valle De Oro	FURY	RAPATEE	CALLE VERDE	Regional	0.08	Light Collector	4.1B	\$7.06	\$0.56

## Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
South	Valle De Oro	FURY	CALLE VERDE	SUNDOWN	Regional	0.13	Town Collector	4.1B	\$3.73	\$0.48
South	Valle De Oro	FURY	SUNDOWN	JULIE	Regional	0.25	Town Collector	4.1B	\$3.73	\$0.93
South	Valle De Oro	FURY	JULIE	UNKNOWN	Regional	0.32	Town Collector	4.1B	\$3.73	\$1.19
South	Valle De Oro	FURY	UNKNOWN	SR 54	Regional	0.1	Town Collector	4.1B	\$3.73	\$0.37
South	Valle De Oro	JAMACHA BOULEVARD	SR-54	TRACE	RAS	0.04	Collector	4.1A	\$4.82	\$0.19
South	Valle De Oro	JAMACHA BOULEVARD	RAMP SR-94 EB	SR-54	RAS	0.36	Collector	4.1A	\$4.82	\$1.73
South	Valle De Oro	JAMACHA BOULEVARD	RAMP SR-94 EB	RAMP	RAS	0.12	Collector	4.1A	\$4.82	\$0.58
South	Valle De Oro	JAMACHA BOULEVARD	RAMP	RAMP	RAS	0.07	Collector	4.1A	\$4.82	\$0.34
South	Valle De Oro	JAMACHA ROAD	VAN VECHTEN	GROVE	RAS	0.03	Collector	4.1A	\$4.82	\$0.14
South	Valle De Oro	JAMACHA ROAD	GROVE	RANCHO WINCHESTER	RAS	0.09	Collector	4.1A	\$4.82	\$0.43
South	Valle De Oro	JAMACHA ROAD	RANCHO WINCHESTER	HIDDEN MESA	RAS	0.2	Collector	4.1A	\$4.82	\$0.96
South	Valle De Oro	JAMACHA ROAD	HIDDEN MESA	PENASCO	RAS	0.07	Collector	4.1A	\$4.82	\$0.34
South	Valle De Oro	JAMACHA ROAD	PENASCO	CHASE	RAS	0.1	Collector	4.1A	\$4.82	\$0.48
South	Valle De Oro	JAMACHA ROAD	CHASE	SUNDALE	RAS	0.31	Collector	6.2	\$12.96	\$4.02
South	Valle De Oro	JAMACHA ROAD	SUNDALE	HILLSDALE	RAS	0.15	Collector	6.2	\$12.96	\$1.94
South	Valle De Oro	JAMACHA ROAD	HILLSDALE	UNKNOWN	RAS	0.26	Collector	6.2	\$12.96	\$3.37
South	Valle De Oro	JAMACHA ROAD	UNKNOWN	SCOTTYS WAY	RAS	0.19	Collector	6.2	\$12.96	\$2.46
South	Valle De Oro	JAMACHA ROAD	SCOTTYS WAY	CALLE ALBARA	RAS	0.18	Collector	6.2	\$12.96	\$2.33
South	Valle De Oro	JAMACHA ROAD	CALLE ALBARA	BRABHAM	RAS	0.21	Major	6.2	\$7.63	\$1.60
South	Valle De Oro	JAMACHA ROAD	BRABHAM	UNKNOWN	RAS	0.14	Major	6.2	\$7.63	\$1.07
South	Valle De Oro	JAMACHA ROAD	UNKNOWN	HILTON HEAD	RAS	0.12	Major	6.2	\$7.63	\$0.92
South	Valle De Oro	JAMACHA ROAD	HILTON HEAD	WILLOW GLEN	RAS	0.15	Major	6.2	\$7.63	\$1.14
South	Valle De Oro	JAMACHA ROAD	WILLOW GLEN	UNKNOWN	RAS	0.12	Major	6.2	\$7.63	\$0.92
South	Valle De Oro	JAMACHA ROAD	UNKNOWN	FURY	RAS	0.2	Major	6.2	\$7.63	\$1.53
South	Valle De Oro	JAMACHA ROAD	FURY	CUYAMACA COLLEGE E	RAS	0.14	Major	6.2	\$7.63	\$1.07
South	Valle De Oro	JAMACHA ROAD	CUYAMACA COLLEGE E	UNKNOWN	RAS	0.06	Major	6.2	\$7.63	\$0.46
South	Valle De Oro	JAMACHA ROAD	UNKNOWN	CUYAMACA COLLEGE W	RAS	0.09	Major	6.2	\$7.63	\$0.69
South	Valle De Oro	KENWOOD	RAMP SR-94 EB	RAMP SR-94 WB	Regional	0.03	Light Collector	4.1B	\$7.06	\$0.21
South	Valle De Oro	KENWOOD	RAMP SR-94 WB	CAMPO	Regional	0.1	Light Collector	4.1B	\$7.06	\$0.71
South	Valle De Oro	STEELE CANYON	WILLOW GLEN	Heatherwood	Regional	0.39	Light Collector	4.1B	\$7.06	\$2.75
South	Valle De Oro	STEELE CANYON	Heatherwood	JAMUL	Regional	0.11	Town Collector	4.1B	\$3.73	\$0.41
South	Valle De Oro	STEELE CANYON	JAMUL	OLD CALIFORNIA	Regional	0.19	Light Collector	4.1B	\$7.06	\$1.34
South	Valle De Oro	STEELE CANYON	OLD CALIFORNIA	VISTA CIELO	Regional	0.34	Light Collector	4.1B	\$7.06	\$2.40
South	Valle De Oro	WILLOW GLEN	HILLSDALE	UNKNOWN	RAS	0.81	Town Collector	4.1B	\$3.73	\$3.02
South	Valle De Oro	WILLOW GLEN	UNKNOWN	STEELE CANYON	RAS	0.39	Town Collector	4.1B	\$3.73	\$1.45
North	Bonsall	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.04	Town Collector	4.1B	\$3.73	\$0.15
North	Bonsall	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.09	Town Collector	4.1B	\$3.73	\$0.34
North	Bonsall	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.15	Town Collector	4.1B	\$3.73	\$0.56
North	Bonsall	EAST VISTA	MISSION	OLD RIVER	RAS	0.06	Town Collector	4.1A	\$7.98	\$0.48
North	Bonsall	EAST VISTA	OLD RIVER	EVERGREEN	RAS	0.25	Town Collector	4.1A	\$7.98	\$2.00
North	Bonsall	EAST VISTA	EVERGREEN	HUTCHISON	RAS	0.34	Town Collector	4.1A	\$7.98	\$2.71
North	Bonsall	EAST VISTA	HUTCHISON	ORMSBY/GOPHER CANYON	RAS	0.29	Town Collector	4.1A	\$7.98	\$2.32
North	Bonsall	EAST VISTA	ORMSBY/GOPHER CANYON	STRAWBERRY HILL	RAS	0.22	Town Collector	4.1A	\$7.98	\$1.76
North	Bonsall	EAST VISTA	STRAWBERRY HILL	OSBORNE	RAS	0.44	Town Collector	4.1A	\$7.98	\$3.51
North	Bonsall	EAST VISTA	OSBORNE	UNKNOWN	RAS	0.06	Town Collector	4.1A	\$7.98	\$0.48

## Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
North	Bonsall	EAST VISTA	UNKNOWN	BARSBY	RAS	0.01	Town Collector	4.1A	\$7.98	\$0.08
North	Bonsall	GOPHER CANYON	ORMSBY	WHISPER TRACE	RAS	0.65	Light Collector	4.1B	\$7.06	\$4.59
North	Bonsall	GOPHER CANYON	WHISPER TRACE	VISTA VALLEY	RAS	0.34	Light Collector	4.1B	\$7.06	\$2.40
North	Bonsall	GOPHER CANYON	VISTA VALLEY	TWIN OAKS VALLEY	RAS	0.78	Light Collector	4.1B	\$7.06	\$5.50
North	Bonsall	GOPHER CANYON	TWIN OAKS VALLEY	DISNEY	RAS	0.04	Light Collector	4.1B	\$7.06	\$0.28
North	Bonsall	GOPHER CANYON	DISNEY	UNKNOWN	RAS	0.79	Light Collector	4.1B	\$7.06	\$5.58
North	Bonsall	GOPHER CANYON	UNKNOWN	RAMP I-15 SB	RAS	0.81	Light Collector	4.1B	\$7.06	\$5.72
North	Bonsall	GOPHER CANYON	RAMP I-15 SB	RAMP I-15 NB	RAS	0.1	Light Collector	4.1B	\$7.06	\$0.71
North	Bonsall	GOPHER CANYON	RAMP I-15 NB	OLD 395	RAS	0.07	Light Collector	4.1B	\$7.06	\$0.49
North	Bonsall	MELROSE	UNKNOWN	SANTA FE	RAS	0.14	New	6.2	\$31.21	\$4.37
North	Bonsall	MISSION	TRIPLE CROWN	BLDG 4949	RAS	0.22	Light Collector	4.2B	\$7.11	\$1.56
North	Bonsall	MISSION	BLDG 4949	RIVER VILLAGE MALL	RAS	0.11	Light Collector	4.2B	\$7.11	\$0.78
North	Bonsall	MISSION	EAST VISTA	CRANBERRY	State	0.55	Light Collector	6.2	\$23.94	\$13.17
North	Bonsall	MISSION	HOLLY	EAST VISTA	State	0.4	Light Collector	6.2	\$23.94	\$9.58
North	Bonsall	MISSION	NORTH RIVER	HOLLY	State	0.27	Light Collector	6.2	\$23.94	\$6.46
North	Bonsall	MISSION	UNKNOWN	NORTH RIVER	State	0.52	Light Collector	6.2	\$23.94	\$12.45
North	Bonsall	MISSION	VIA GRENADA	UNKNOWN	State	0.45	Light Collector	6.2	\$23.94	\$10.77
North	Bonsall	MISSION	VALLEY RANCH	VIA GRENADA	State	0.1	Light Collector	6.2	\$23.94	\$2.39
North	Bonsall	MISSION	OLIVEHILL/CM DEL REY	VALLEY RANCH	State	0.73	Light Collector	6.2	\$23.94	\$17.48
North	Bonsall	MISSION	THOROUGHBRED	OLIVEHILL/CM DEL REY	State	0.18	Light Collector	6.2	\$23.94	\$4.31
North	Bonsall	NORTH RIVER	UNKNOWN	VIA PUERTA DEL SOL	RAS	0.05	Light Collector	4.1B	\$7.06	\$0.35
North	Bonsall	NORTH RIVER	VIA PUERTA DEL SOL	EMERALD HILL	Regional	0.27	Light Collector	4.1B	\$7.06	\$1.91
North	Bonsall	NORTH RIVER	EMERALD HILL	MISSION	Regional	0.16	Light Collector	4.1B	\$7.06	\$1.13
North	Bonsall	OLD 395	WEST LILAC	RAMP I-15 SB	RAS	0.86	Town Collector	4.2B	\$3.93	\$3.38
North	Bonsall	OLD 395	RAMP I-15 SB	RAMP I-15 SB	RAS	0.12	Light Collector	4.1B	\$7.06	\$0.85
North	Bonsall	OLD 395	RAMP I-15 SB	RAMP I-15 NB	RAS	0.25	Light Collector	4.1B	\$7.06	\$1.76
North	Bonsall	OLD 395	RAMP I-15 NB	RAMP I-15 NB	RAS	0.04	Light Collector	4.1B	\$7.06	\$0.28
North	Bonsall	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.05	Light Collector	4.1B	\$7.06	\$0.35
North	Bonsall	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.06	Light Collector	4.1B	\$7.06	\$0.42
North	Bonsall	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.07	Light Collector	4.1B	\$7.06	\$0.49
North	Bonsall	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.07	Light Collector	4.1B	\$7.06	\$0.49
North	Bonsall	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.1	Light Collector	4.1B	\$7.06	\$0.71
North	Bonsall	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.11	Light Collector	4.1B	\$7.06	\$0.78
North	Bonsall	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.16	Light Collector	4.1B	\$7.06	\$1.13
North	Bonsall	OLD 395	ZONE CONNECTOR	CAM DEL REY	RAS	0.18	Light Collector	4.1B	\$7.06	\$1.27
North	Bonsall	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.06	Town Collector	4.1B	\$3.73	\$0.22
North	Bonsall	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.06	Town Collector	4.1B	\$3.73	\$0.22
North	Bonsall	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.3	Town Collector	4.1B	\$3.73	\$1.12
North	Bonsall	OLD 395	RAMP I-15 NB	LILAC RIDGE	RAS	0.14	Light Collector	4.1B	\$7.06	\$0.99
North	Bonsall	OLIVE HILL	ZONE CONNECTOR	UNKNOWN	Local	0.28	New	2.2C	\$12.76	\$3.57
North	Bonsall	OLIVE HILL	UNKNOWN	ZONE CONNECTOR	Local	0.3	New	2.2C	\$12.76	\$3.83
North	Bonsall	ORMSBY	GOPHER CANYON	UNKNOWN	Regional	0.28	Light Collector	4.1B	\$7.06	\$1.98
North	Bonsall	ORMSBY	UNKNOWN	FAIRVIEW	Regional	0.51	Light Collector	4.1B	\$7.06	\$3.60
North	Bonsall	ORMSBY	FAIRVIEW	EAST VISTA	Regional	0.41	Light Collector	4.1B	\$7.06	\$2.89
North	Bonsall	OSBORNE	UNKNOWN	BAUTISTA	Local	0.39	Light Collector	2.2A	\$4.89	\$1.91

## Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
North	Bonsall	OSBORNE	BAUTISTA	HUTCHISON	Local	0.22	Light Collector	2.2A	\$4.89	\$1.08
North	Bonsall	OSBORNE	HUTCHISON	UNKNOWN	Local	0.27	Light Collector	2.2A	\$4.89	\$1.32
North	Bonsall	OSBORNE	UNKNOWN	AMSTEL	Local	0.4	Light Collector	2.2A	\$4.89	\$1.96
North	Bonsall	OSBORNE	AMSTEL	EAST VISTA	Local	0.2	Light Collector	2.2A	\$4.89	\$0.98
North	Bonsall	PALA	THOROUGHBRED	MISSION	State	0.28	Light Collector	6.2	\$23.94	\$6.70
North	Bonsall	PALA	MISSION	ZONE CONNECTOR	State	0.27	Light Collector	4.1A	\$11.38	\$3.07
North	Bonsall	PALA	ZONE CONNECTOR	RAMONA	State	0.03	Light Collector	4.1A	\$11.38	\$0.34
North	Bonsall	PALA	ZONE CONNECTOR	RAMONA	State	0.03	Light Collector	4.1A	\$11.38	\$0.34
North	Bonsall	PALA	ZONE CONNECTOR	RAMONA	State	0.37	Light Collector	4.1A	\$11.38	\$4.21
North	Bonsall	PALA	RAMONA	CALLE DE LA VUELTA	State	0.01	Light Collector	4.1A	\$11.38	\$0.11
North	Bonsall	PALA	RAMONA	CALLE DE LA VUELTA	State	0.04	Light Collector	4.1A	\$11.38	\$0.46
North	Bonsall	PALA	CALLE DE LA VUELTA	VIA MONSERATE	State	0.04	Light Collector	4.1A	\$11.38	\$0.46
North	Bonsall	PALA	CALLE DE LA VUELTA	VIA MONSERATE	State	0.05	Light Collector	4.1A	\$11.38	\$0.57
North	Bonsall	WEST LILAC	OLIVEHILL	OLD RIVER	Regional	0.05	Light Collector	4.2B	\$7.11	\$0.36
North	Bonsall	WEST LILAC	OLD RIVER	CAM DEL REY	Regional	0.29	Light Collector	4.2B	\$7.11	\$2.06
North	Fallbrook	CANONITA	OLD 395	RAMP I-15 SB	Regional	0.08	Light Collector	4.1B	\$7.06	\$0.56
North	Fallbrook	CARLINA	EL PAISANO	MACADAMIA	RAS	0.02	Town Collector	4.2B	\$3.93	\$0.08
North	Fallbrook	CITRANO LN	PANKEY	PANKEY NEW	State	0.29	New	2.1E	\$12.27	\$3.56
North	Fallbrook	CLEMMENS	RECHE	MORRO	Local	0.12	New	2.2C	\$12.76	\$1.53
North	Fallbrook	COUSER CANYON	PALA	ZONE CONNECTOR	Local	0.86	Light Collector	2.2F	\$0.49	\$0.42
North	Fallbrook	COUSER CANYON	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.47	Light Collector	2.2F	\$0.49	\$0.23
North	Fallbrook	FALLBROOK	MISSION	PICO	Local	0.06	Light Collector	2.2B	\$3.39	\$0.20
North	Fallbrook	FALLBROOK	PICO	MAIN	Local	0.06	Light Collector	2.2B	\$3.39	\$0.20
North	Fallbrook	FALLBROOK	OLD STAGE	MANDARIN	Local	0.13	Light Collector	2.2B	\$3.39	\$0.44
North	Fallbrook	FALLBROOK	MORRO	DEBRA ANN	Local	0.12	Light Collector	2.2B	\$3.39	\$0.41
North	Fallbrook	FALLBROOK	DEBRA ANN	MC DONALD	Local	0.12	Light Collector	2.2B	\$3.39	\$0.41
North	Fallbrook	FALLBROOK	MC DONALD	MAGARIAN	Local	0.06	Light Collector	2.2B	\$3.39	\$0.20
North	Fallbrook	FALLBROOK	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.4	New	2.2C	\$12.76	\$5.10
North	Fallbrook	FALLBROOK	ZONE CONNECTOR	RECHE	Local	0.25	New	2.2C	\$12.76	\$3.19
North	Fallbrook	KNOTTWOOD/ENCINA	VIA ENCINAS	PALOMAR	Local	0.37	Light Collector	2.2F	\$0.49	\$0.18
North	Fallbrook	KNOTTWOOD/ENCINA	PALOMAR	ALTA VISTA	Local	0.48	Light Collector	2.2F	\$0.49	\$0.23
North	Fallbrook	KNOTTWOOD/ENCINA	ALTA VISTA	ZONE CONNECTOR	Local	0.65	New	2.2F	\$9.80	\$6.37
North	Fallbrook	KNOTTWOOD/ENCINA	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.7	New	2.2F	\$9.80	\$6.86
North	Fallbrook	KNOTTWOOD/ENCINA	ZONE CONNECTOR	GIRD	Local	0.63	New	2.2F	\$9.80	\$6.18
North	Fallbrook	MISSION	CARLINA	WILLOW GLEN	RAS	0.28	Town Collector	4.2B	\$3.93	\$1.10
North	Fallbrook	MISSION	WILLOW GLEN	LIVE OAK PARK	RAS	0.88	Town Collector	4.2B	\$3.93	\$3.45
North	Fallbrook	MISSION	LIVE OAK PARK	OLD 395	RAS	0.71	Town Collector	4.2B	\$3.93	\$2.79
North	Fallbrook	MISSION	OLD 395	RAMP I-15 SB	RAS	0.06	Light Collector	4.2B	\$7.11	\$0.43
North	Fallbrook	MISSION	RAMP I-15 SB	RAMP I-15 NB	RAS	0.15	Light Collector	4.2B	\$7.11	\$1.07
North	Fallbrook	MISSION	CARLINA	UNKNOWN	RAS	0.04	Town Collector	4.2B	\$3.93	\$0.16
North	Fallbrook	MISSION	UNKNOWN	HAMILTON	RAS	0.57	Town Collector	4.2B	\$3.93	\$2.24
North	Fallbrook	MISSION	HAMILTON	DAVIS	RAS	0.7	Town Collector	4.2B	\$3.93	\$2.75
North	Fallbrook	MISSION	DAVIS	STAGE COACH	RAS	0.18	Town Collector	4.2B	\$3.93	\$0.71
North	Fallbrook	MISSION	STAGE COACH	GUM TREE	RAS	0.13	Town Collector	4.2B	\$3.93	\$0.51
North	Fallbrook	MISSION	GUM TREE	INDUSTRIAL	RAS	0.45	Town Collector	4.2B	\$3.93	\$1.77

### Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
North	Fallbrook	MISSION	INDUSTRIAL	SANTA MARGARITA	RAS	0.18	Town Collector	4.2B	\$3.93	\$0.71
North	Fallbrook	MISSION	UNKNOWN	OVERLAND	RAS	0.22	Light Collector	4.2B	\$7.11	\$1.56
North	Fallbrook	MISSION	OVERLAND	BIG OAK RANCH	RAS	0.26	Light Collector	4.2B	\$7.11	\$1.85
North	Fallbrook	MISSION	BIG OAK RANCH	GREEN CANYON	RAS	0.45	Light Collector	4.2B	\$7.11	\$3.20
North	Fallbrook	MISSION	GREEN CANYON	VIA ENCINAS	RAS	0.31	Light Collector	4.2B	\$7.11	\$2.20
North	Fallbrook	MISSION	VIA ENCINAS	HELLERS BEND	RAS	0.35	Light Collector	4.2B	\$7.11	\$2.49
North	Fallbrook	MISSION	HELLERS BEND	VIA MONSERATE	RAS	0.74	Light Collector	4.2B	\$7.11	\$5.26
North	Fallbrook	MISSION	VIA MONSERATE	BAJA MISSION	RAS	0.11	Light Collector	4.2B	\$7.11	\$0.78
North	Fallbrook	MISSION	BAJA MISSION	LA CANADA	RAS	0.32	Light Collector	4.2B	\$7.11	\$2.27
North	Fallbrook	MISSION	LA CANADA	TRIPLE CROWN	RAS	0.41	Light Collector	4.2B	\$7.11	\$2.91
North	Fallbrook	MISSION	TRIPLE CROWN	BLDG 4949	RAS	0.17	Light Collector	4.2B	\$7.11	\$1.21
North	Fallbrook	OLD 395	MISSION	RECHE	RAS	1.04	Light Collector	2.1A	\$4.09	\$4.26
North	Fallbrook	OLD 395	RECHE	CANONITA	RAS	0.72	Light Collector	2.1A	\$4.09	\$2.95
North	Fallbrook	OLD 395	CANONITA	TECALOTE	RAS	0.57	Light Collector	2.1A	\$4.09	\$2.33
North	Fallbrook	OLD 395	TECALOTE	PALA MESA	RAS	1.09	Light Collector	2.1A	\$4.09	\$4.46
North	Fallbrook	OLD 395	PALA MESA	ZONE CONNECTOR	RAS	0.52	Light Collector	4.2B	\$7.11	\$3.70
North	Fallbrook	OLD 395	ZONE CONNECTOR	PUBLIC	RAS	0.3	Light Collector	4.2B	\$7.11	\$2.13
North	Fallbrook	OLD 395	PUBLIC	PALA	RAS	0.12	Light Collector	4.2B	\$7.11	\$0.85
North	Fallbrook	OLIVE HILL	MISSION	ZONE CONNECTOR	Local	0.15	Light Collector	2.2F	\$0.49	\$0.07
North	Fallbrook	OLIVE HILL	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.68	Light Collector	2.2F	\$0.49	\$0.33
North	Fallbrook	OLIVE HILL	ZONE CONNECTOR	WHITE HORSE	Local	0.55	Light Collector	2.2F	\$0.49	\$0.27
North	Fallbrook	OLIVE HILL	WHITE HORSE	LADERA VISTA	Local	0.5	Light Collector	2.2F	\$0.49	\$0.24
North	Fallbrook	OLIVE HILL	LADERA VISTA	BURMA	Local	0.24	Light Collector	2.2F	\$0.49	\$0.12
North	Fallbrook	OLIVE HILL	BURMA	RANCHO BONITO	Local	0.31	Light Collector	2.2F	\$0.49	\$0.15
North	Fallbrook	OLIVE HILL	RANCHO BONITO	RANCHO CAM	Local	0.36	Light Collector	2.2F	\$0.49	\$0.17
North	Fallbrook	OLIVE HILL	RANCHO CAM	ZONE CONNECTOR	Local	0.84	Light Collector	2.2F	\$0.49	\$0.41
North	Fallbrook	OLIVE HILL	ZONE CONNECTOR	UNKNOWN	Local	0.1	Light Collector	2.2F	\$0.49	\$0.05
North	Fallbrook	OLIVE HILL	ZONE CONNECTOR	UNKNOWN	Local	0.03	New	2.2C	\$12.76	\$0.38
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.02	Light Collector	4.1A	\$11.38	\$0.23
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.02	Light Collector	4.1A	\$11.38	\$0.23
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.04	Light Collector	4.1A	\$11.38	\$0.46
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.05	Light Collector	4.1A	\$11.38	\$0.57
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.06	Light Collector	4.1A	\$11.38	\$0.68
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.12	Light Collector	4.1A	\$11.38	\$1.37
North	Fallbrook	PALA	CALLE DE LA VUELTA	VIA MONSERATE	State	0.03	Light Collector	4.1A	\$11.38	\$0.34
North	Fallbrook	PALA	CALLE DE LA VUELTA	VIA MONSERATE	State	0.35	Light Collector	4.1A	\$11.38	\$3.98
North	Fallbrook	PALA	VIA MONSERATE	UNKNOWN	State	0.48	Light Collector	4.1A	\$11.38	\$5.46
North	Fallbrook	PALA	UNKNOWN	LIMBER PINE	State	0.07	Light Collector	4.1A	\$11.38	\$0.80
North	Fallbrook	PALA	LIMBER PINE	GIRD	State	0.08	Light Collector	4.1A	\$11.38	\$0.91
North	Fallbrook	PALA	GIRD	UNKNOWN	State	0.95	Light Collector	4.1A	\$11.38	\$10.81
North	Fallbrook	PALA	UNKNOWN	ZONE CONNECTOR	State	0.78	Light Collector	4.1A	\$11.38	\$8.87
North	Fallbrook	PALA	ZONE CONNECTOR	OLD 395	State	0.56	Light Collector	4.1A	\$11.38	\$6.37
North	Fallbrook	PALA	OLD 395	RAMP I-15 SB	State	0.15	Light Collector	4.1A	\$11.38	\$1.71
North	Fallbrook	PALA	PALA-NEW	RICE CANYON	State	0.67	Light Collector	4.1A	\$11.38	\$7.62
North	Fallbrook	PALA	RICE CANYON	COUSER CANYON	State	0.12	Light Collector	4.1A	\$11.38	\$1.37

### Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
North	Fallbrook	PALA MESA	GIRD	UNKNOWN	Local	0.27	Light Collector	2.2F	\$0.49	\$0.13
North	Fallbrook	PALA MESA	UNKNOWN	UNKNOWN	Local	0.65	New	2.2F	\$9.80	\$6.37
North	Fallbrook	PALA MESA	UNKNOWN	WILT	Local	0.34	New	2.2F	\$9.80	\$3.33
North	Fallbrook	PALA MESA	WILT	DAISY	Local	0.34	Light Collector	2.2F	\$0.49	\$0.16
North	Fallbrook	PALA MESA	DAISY	OLD 395	Local	0.47	Light Collector	2.2F	\$0.49	\$0.23
North	Fallbrook	PALA MESA	OLD 395	PANKEY	Local	0.21	New	2.1A	\$13.97	\$2.93
North	Fallbrook	PALA-NEW	PANKEY NEW	PALA	State	0.5	Light Collector	4.1A	\$11.38	\$5.69
North	Fallbrook	PANKEY	PALA MESA	CITRANO LN	Local	0.33	New	2.1A	\$13.97	\$4.61
North	Fallbrook	PANKEY	CITRANO LN	PALA	Local	0.15	Light Collector	2.1A	\$4.09	\$0.61
North	Fallbrook	PANKEY NEW	PANKEY	ZONE CONNECTOR	Regional	0.49	New	4.2A	\$20.85	\$10.22
North	Fallbrook	PANKEY NEW	ZONE CONNECTOR	3P WAY	Regional	0.32	New	4.2A	\$20.85	\$6.67
North	Fallbrook	PANKEY NEW	3P WAY	ZONE CONNECTOR	Regional	0.32	New	4.2A	\$20.85	\$6.67
North	Fallbrook	PANKEY NEW	ZONE CONNECTOR	CITRANO LN	Regional	0.19	New	4.2A	\$20.85	\$3.96
North	Fallbrook	PANKEY NEW	CITRANO LN	PALA	Regional	0.17	New	4.2A	\$20.85	\$3.54
North	Fallbrook	PEPPER TREE	MISSION	ZONE CONNECTOR	Local	0.11	New	2.2E	\$12.75	\$1.40
North	Fallbrook	PEPPER TREE	ZONE CONNECTOR	UNKNOWN	Local	0.39	New	2.2E	\$12.75	\$4.97
North	Fallbrook	PEPPER TREE	UNKNOWN	MC DONALD	Local	0.25	New	2.2E	\$12.75	\$3.19
North	Fallbrook	PEPPER TREE	CALAVO	STAGE COACH	Local	0.25	New	2.2E	\$12.75	\$3.19
North	Fallbrook	RECHE	PALOMINO	CLEMMENS	Local	0.33	New	2.2C	\$12.76	\$4.21
North	Fallbrook	RECHE	MORRO	MC DONALD	Local	0.25	New	2.2C	\$12.76	\$3.19
North	Fallbrook	RECHE	MC DONALD	CALAVO	Local	0.25	New	2.2C	\$12.76	\$3.19
North	Fallbrook	RECHE	CALAVO	PALOMINO	Local	0.12	New	2.2C	\$12.76	\$1.53
North	Fallbrook	RECHE	STAGE COACH	CALMIN	Local	0.25	Light Collector	2.2B	\$3.39	\$0.85
North	Fallbrook	RECHE	CALMIN	UNKNOWN	Local	0.14	Light Collector	2.2B	\$3.39	\$0.48
North	Fallbrook	RECHE	UNKNOWN	FALLBROOK	Local	0.12	Light Collector	2.2B	\$3.39	\$0.41
North	Fallbrook	RECHE	FALLBROOK	LOS AMIGOS	Local	0.08	Light Collector	2.2B	\$3.39	\$0.27
North	Fallbrook	RECHE	LOS AMIGOS	GREEN CANYON	Local	0.17	Light Collector	2.2B	\$3.39	\$0.58
North	Fallbrook	RICE CANYON	ZONE CONNECTOR	HUNTLEY	Local	0.33	Light Collector	2.2F	\$0.49	\$0.16
North	Fallbrook	RICE CANYON	HUNTLEY	ZONE CONNECTOR	Local	0.59	Light Collector	2.2F	\$0.49	\$0.29
North	Fallbrook	RICE CANYON	ZONE CONNECTOR	PALA	Local	0.53	Light Collector	2.2F	\$0.49	\$0.26
North	Fallbrook	STAGE COACH	MISSION	GUM TREE	Local	0.07	Light Collector	2.2B	\$3.39	\$0.24
North	Fallbrook	STAGE COACH	GUM TREE	ZONE CONNECTOR	Local	0.17	Light Collector	2.2B	\$3.39	\$0.58
North	Fallbrook	STAGE COACH	ZONE CONNECTOR	ALVARADO	Local	0.21	Light Collector	2.2B	\$3.39	\$0.71
North	Fallbrook	STAGE COACH	ALVARADO	FALLBROOK	Local	0.38	Light Collector	2.2B	\$3.39	\$1.29
North	Fallbrook	STAGE COACH	FALLBROOK	ZONE CONNECTOR	Local	0.25	Light Collector	2.2B	\$3.39	\$0.85
North	Fallbrook	STAGE COACH	ZONE CONNECTOR	RECHE	Local	0.25	Light Collector	2.2B	\$3.39	\$0.85
North	Fallbrook	STEWART CANYON	RAMP I-15 SB	RAMP I-15 NB	Regional	0.13	Light Collector	4.1B	\$7.06	\$0.92
North	Fallbrook	STEWART CANYON	RAMP I-15 NB	UNKNOWN	Regional	0.08	Light Collector	4.1B	\$7.06	\$0.56
North	Fallbrook	STEWART CANYON	UNKNOWN	PANKEY	Regional	0.65	Light Collector	4.2A	\$10.97	\$7.13
North	Fallbrook	VIA ENCINAS	MISSION	UNKNOWN	Local	0.21	Light Collector	2.2F	\$0.49	\$0.10
North	Fallbrook	VIA ENCINAS	UNKNOWN	KNOTTWOOD/ENCINA	Local	0.17	Light Collector	2.2F	\$0.49	\$0.08
North	Fallbrook	YUCCA	ZONE CONNECTOR	LIVE OAK PARK	Local	0.92	Light Collector	2.2F	\$0.49	\$0.45
North	Fallbrook	YUCCA	RECHE	ZONE CONNECTOR	Local	0.77	Light Collector	2.2F	\$0.49	\$0.37
North	North County Metro	AVNDA DEL DIABLO	ZONE CONNECTOR	COUNTRY CLUB	Local	0.13	New	2.1C	\$12.27	\$1.60
North	North County Metro	AVNDA DEL DIABLO	HARMONY GROVE	ZONE CONNECTOR	Local	0.14	New	2.1C	\$12.27	\$1.72

## Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
North	North County Metro	AVNDA DEL DIABLO	CITRACADO	HARMONY GROVE	Local	0.25	New	2.1C	\$12.27	\$3.07
North	North County Metro	BEAR VALLEY	BOYLE	BIRCH	RAS	0.26	Light Collector	4.1A	\$11.38	\$2.96
North	North County Metro	BEAR VALLEY	BIRCH	IDAHO	RAS	0.15	Light Collector	4.1A	\$11.38	\$1.71
North	North County Metro	BEAR VALLEY	IDAHO	LANDAVO	RAS	0.11	Light Collector	4.1A	\$11.38	\$1.25
North	North County Metro	BEAR VALLEY	LANDAVO	SUBURBAN HILLS	RAS	0.14	Light Collector	4.1A	\$11.38	\$1.59
North	North County Metro	BEAR VALLEY	SUBURBAN HILLS	SAN PASQUAL VALLEY	RAS	0.21	Light Collector	4.1A	\$11.38	\$2.39
North	North County Metro	BEAR VALLEY	SAN PASQUAL VALLEY	ELDORADO	RAS	0.42	Light Collector	4.1A	\$11.38	\$4.78
North	North County Metro	BEAR VALLEY	ELDORADO	ENCINO	RAS	0.21	Light Collector	4.1A	\$11.38	\$2.39
North	North County Metro	BEAR VALLEY	SUNSET	OLD SPANISH	RAS	0.03	Light Collector	4.1A	\$11.38	\$0.34
North	North County Metro	BEAR VALLEY	SUNSET	OLD SPANISH	RAS	0.06	Light Collector	4.1A	\$11.38	\$0.68
North	North County Metro	BEAR VALLEY	SUNSET	OLD SPANISH	RAS	0.09	Light Collector	4.1A	\$11.38	\$1.02
North	North County Metro	BUENA CREEK	SYCAMORE	SYCAMORE	RAS	0.02	Light Collector	4.1B	\$7.06	\$0.14
North	North County Metro	BUENA CREEK	SYCAMORE	HARTWRIGHT	RAS	0.03	Light Collector	4.1B	\$7.06	\$0.21
North	North County Metro	BUENA CREEK	HARTWRIGHT	ZONE CONNECTOR	RAS	0.7	Light Collector	4.1B	\$7.06	\$4.94
North	North County Metro	BUENA CREEK	ZONE CONNECTOR	LONE OAK	RAS	0.17	Light Collector	4.1B	\$7.06	\$1.20
North	North County Metro	BUENA CREEK	LONE OAK	MONTE VISTA	RAS	0.25	Light Collector	4.1B	\$7.06	\$1.76
North	North County Metro	BUENA CREEK	MONTE VISTA	SUGARBUSH	RAS	0.61	Light Collector	4.1B	\$7.06	\$4.30
North	North County Metro	BUENA CREEK	SUGARBUSH	HOLLYBERRY	RAS	0.08	Light Collector	4.1B	\$7.06	\$0.56
North	North County Metro	BUENA CREEK	HOLLYBERRY	FREDAS HILL	RAS	0.28	Light Collector	4.1B	\$7.06	\$1.98
North	North County Metro	BUENA CREEK	FREDAS HILL	LAS POSAS	RAS	0.5	Light Collector	4.1B	\$7.06	\$3.53
North	North County Metro	BUENA CREEK	LAS POSAS	TAMARA	RAS	0.43	Town Collector	4.1B	\$3.73	\$1.60
North	North County Metro	BUENA CREEK	TAMARA	SUNSHINE MTN	RAS	0.38	Town Collector	4.1B	\$3.73	\$1.42
North	North County Metro	BUENA CREEK	SUNSHINE MTN	TWIN OAKS VALLEY	RAS	0.12	Town Collector	4.1B	\$3.73	\$0.45
North	North County Metro	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.01	Town Collector	4.1B	\$3.73	\$0.04
North	North County Metro	CHAMPAGNE	UNKNOWN	LAWRENCE WELK	RAS	0.67	Town Collector	4.1B	\$3.73	\$2.50
North	North County Metro	CHAMPAGNE	LAWRENCE WELK	UNKNOWN	RAS	0.17	Town Collector	4.1B	\$3.73	\$0.63
North	North County Metro	CHAMPAGNE	UNKNOWN	UNKNOWN	RAS	0.18	Town Collector	4.1B	\$3.73	\$0.67
North	North County Metro	CHAMPAGNE	UNKNOWN	UNKNOWN	RAS	0.54	Town Collector	4.1B	\$3.73	\$2.01
North	North County Metro	CHAMPAGNE	UNKNOWN	MOUNTAIN MEADOW	RAS	1.81	Town Collector	4.1B	\$3.73	\$6.75
North	North County Metro	CITRACADO	KAUANA LOA	AVNDA DEL DIABLO	RAS	0.1	Light Collector	4.1A	\$11.38	\$1.14
North	North County Metro	CITRACADO	SCENIC TL	EUCALYPTUS	RAS	0.25	Light Collector	4.1A	\$11.38	\$2.84
North	North County Metro	CITRACADO	EUCALYPTUS	BERNARDO	RAS	0.24	Light Collector	4.1A	\$11.38	\$2.73
North	North County Metro	CITRACADO	EUCALYPTUS	BERNARDO	RAS	0.26	Light Collector	4.1A	\$11.38	\$2.96
North	North County Metro	CITRACADO	BERNARDO	RAMP I-15 SB	RAS	0.12	Light Collector	4.1A	\$11.38	\$1.37
North	North County Metro	CLOVERDALE	UNKNOWN	ZONE CONNECTOR	Local	0.02	New	2.2E	\$12.75	\$0.25
North	North County Metro	DEER SPRINGS	MULBERRY	MARILYN	RAS	0.17	Light Collector	6.2	\$23.94	\$4.07
North	North County Metro	DEER SPRINGS	MARILYN	UNKNOWN	RAS	0.2	Light Collector	6.2	\$23.94	\$4.79
North	North County Metro	DEER SPRINGS	UNKNOWN	VISTA MERRIAM	RAS	0.17	Light Collector	6.2	\$23.94	\$4.07
North	North County Metro	DEER SPRINGS	VISTA MERRIAM	ZONE CONNECTOR	RAS	0.33	Light Collector	6.2	\$23.94	\$7.90
North	North County Metro	DEER SPRINGS	ZONE CONNECTOR	ZONE CONNECTOR	RAS	0.36	Light Collector	6.2	\$23.94	\$8.62
North	North County Metro	DEER SPRINGS	ZONE CONNECTOR	ZONE CONNECTOR	RAS	0.52	Light Collector	6.2	\$23.94	\$12.45
North	North County Metro	DEER SPRINGS	ZONE CONNECTOR	MESA ROCK	RAS	0.23	Light Collector	6.2	\$23.94	\$5.51
North	North County Metro	DEER SPRINGS	MESA ROCK	RAMP I-15 SB	RAS	0.05	Light Collector	6.2	\$23.94	\$1.20
North	North County Metro	EL NORTE	REES	NUTMEG/NORDAHL	RAS	0.39	Collector	4.1A	\$4.82	\$1.88
North	North County Metro	HARMONY GROVE	UNKNOWN	COUNTRY CLUB	Local	0.18	Light Collector	2.2B	\$3.39	\$0.61

## Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
North	North County Metro	HARMONY GROVE	ZONE CONNECTOR	UNKNOWN	Local	0.41	Light Collector	2.2B	\$3.39	\$1.39
North	North County Metro	HARMONY GROVE	AVNDA DEL DIABLO	ZONE CONNECTOR	Local	0.04	Light Collector	2.2B	\$3.39	\$0.14
North	North County Metro	HARMONY GROVE	CITRACADO	AVNDA DEL DIABLO	Local	0.45	Light Collector	2.2B	\$3.39	\$1.53
North	North County Metro	LAKE WOHLFORD	OAKVALE	FOXLEY	RAS	0.35	Light Collector	2.2F	\$0.49	\$0.17
North	North County Metro	LAKE WOHLFORD	OAKVALE	FOXLEY	RAS	0.46	Light Collector	2.2F	\$0.49	\$0.22
North	North County Metro	LAKE WOHLFORD	ZONE CONNECTOR	OAKVALE	RAS	0.73	Light Collector	2.2F	\$0.49	\$0.35
North	North County Metro	LAKE WOHLFORD	GUEJITO	ZONE CONNECTOR	RAS	1.84	Light Collector	2.2F	\$0.49	\$0.89
North	North County Metro	LAKE WOHLFORD	WOODS VALLEY	GUEJITO	RAS	0.1	Light Collector	2.2F	\$0.49	\$0.05
North	North County Metro	LAS POSAS	BUENA CREEK	LA CIENEGA	RAS	0.46	New	2.2C	\$12.76	\$5.87
North	North County Metro	LAS POSAS	LA CIENEGA	ZONE CONNECTOR	RAS	0.53	New	2.2C	\$12.76	\$6.76
North	North County Metro	MAR VISTA	BUENA VISTA DR	CANNON	RAS	0.28	New	2.2B	\$16.21	\$4.54
North	North County Metro	MONTE VISTA	UNKNOWN	FOOTHILL	Regional	0.32	Light Collector	4.1B	\$7.06	\$2.26
North	North County Metro	MONTE VISTA	FOOTHILL	LA RUEDA	Regional	0.23	Light Collector	4.1B	\$7.06	\$1.62
North	North County Metro	MONTE VISTA	LA RUEDA	BUENA CREEK	Regional	0.32	Light Collector	4.1B	\$7.06	\$2.26
North	North County Metro	MOUNTAIN MEADOW	RAMP I-15 SB	RAMP I-15 NB	RAS	0.15	Light Collector	4.1B	\$7.06	\$1.06
North	North County Metro	MOUNTAIN MEADOW	RAMP I-15 NB	CHAMPAGNE	RAS	0.07	Light Collector	4.1B	\$7.06	\$0.49
North	North County Metro	MOUNTAIN MEADOW	LEGEND ROCK	NORTH BROADWAY	RAS	1.28	New	2.1D	\$12.27	\$15.71
North	North County Metro	MOUNTAIN MEADOW	NORTH BROADWAY	ZONE CONNECTOR	RAS	0.58	New	2.1D	\$12.27	\$7.12
North	North County Metro	MOUNTAIN MEADOW	ZONE CONNECTOR	UNKNOWN	RAS	0.15	New	2.1D	\$12.27	\$1.84
North	North County Metro	MTN VIEW	ZONE CONNECTOR	CLOVERDALE	Local	0.49	New	2.2E	\$12.75	\$6.25
North	North County Metro	N CENTRE CITY	CHAMPAGNE	PROTEA GARDENS	RAS	0.2	Light Collector	4.1B	\$7.06	\$1.41
North	North County Metro	N CENTRE CITY	PROTEA GARDENS	JESMOND DENE	RAS	0.37	Light Collector	4.1B	\$7.06	\$2.61
North	North County Metro	N CENTRE CITY	JESMOND DENE	MESA ROCK	RAS	1.26	Light Collector	4.1B	\$7.06	\$8.89
North	North County Metro	N CENTRE CITY	MESA ROCK	IVY DELL	RAS	0.35	Light Collector	4.1B	\$7.06	\$2.47
North	North County Metro	N CENTRE CITY	IVY DELL	CENTRE CITY	RAS	0.26	Light Collector	4.1B	\$7.06	\$1.83
North	North County Metro	NORDAHL	NUTMEG/NORDAHL	ZONE CONNECTOR	RAS	0.17	Light Collector	4.1B	\$7.06	\$1.20
North	North County Metro	NORDAHL	ZONE CONNECTOR	ROCK SPRINGS	RAS	0.28	Light Collector	4.1B	\$7.06	\$1.98
North	North County Metro	NORDAHL	ROCK SPRINGS	KNOB HILL	RAS	0.31	Light Collector	4.1B	\$7.06	\$2.19
North	North County Metro	NORTH BROADWAY	MOUNTAIN MEADOW	REIDY CANYON	Local	0.24	New	2.1D	\$12.27	\$2.95
North	North County Metro	ROCK SPRINGS	ZONE CONNECTOR	BENNETT	Regional	0.01	Light Collector	4.1B	\$7.06	\$0.07
North	North County Metro	ROCK SPRINGS	BENNETT	REES	Regional	0.26	Light Collector	4.1B	\$7.06	\$1.83
North	North County Metro	ROCK SPRINGS	REES	UNNAMED 9F	Regional	0.23	Light Collector	4.1B	\$7.06	\$1.62
North	North County Metro	ROCK SPRINGS	UNNAMED 9F	NORDAHL	Regional	0.2	Light Collector	4.1B	\$7.06	\$1.41
North	North County Metro	ROCK SPRINGS	NORDAHL	ZONE CONNECTOR	Regional	0.25	Light Collector	4.1B	\$7.06	\$1.76
North	North County Metro	ROCK SPRINGS	ZONE CONNECTOR	DEODAR	Regional	0.1	Light Collector	4.1B	\$7.06	\$0.71
North	North County Metro	ROCK SPRINGS	DEODAR	MONTIEL	Regional	0.08	Light Collector	4.1B	\$7.06	\$0.56
North	North County Metro	ROCK SPRINGS	MONTIEL	SEVEN OAKES	Regional	0.05	Light Collector	4.1B	\$7.06	\$0.35
North	North County Metro	ROCK SPRINGS	SEVEN OAKES	BORDEN	Regional	0.05	Light Collector	4.1B	\$7.06	\$0.35
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.03	Town Collector	4.1B	\$3.73	\$0.11
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.04	Town Collector	4.1B	\$3.73	\$0.15
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.08	Town Collector	4.1B	\$3.73	\$0.30
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.09	Town Collector	4.1B	\$3.73	\$0.34
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.09	Town Collector	4.1B	\$3.73	\$0.34
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.17	Town Collector	4.1B	\$3.73	\$0.63
North	North County Metro	SAN PASQUAL VALLEY	BIRCH/RANRIDO	IDAHO	State	0.42	Light Collector	4.1B	\$7.06	\$2.96

## Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
North	North County Metro	SAN PASQUAL VALLEY	IDAHO	17TH	State	0.34	Light Collector	4.1B	\$7.06	\$2.40
North	North County Metro	SAN PASQUAL VALLEY	17TH	BEAR VALLEY	State	0.44	Light Collector	4.1B	\$7.06	\$3.11
North	North County Metro	SAN PASQUAL VALLEY	BEAR VALLEY	CITRUS	State	0.08	Light Collector	4.1A	\$11.38	\$0.91
North	North County Metro	SAN PASQUAL VALLEY	CITRUS	SUMMIT	State	0.23	Light Collector	4.1A	\$11.38	\$2.62
North	North County Metro	SAN PASQUAL VALLEY	SUMMIT	TEEPEE	State	0.44	Light Collector	4.1A	\$11.38	\$5.01
North	North County Metro	SAN PASQUAL VALLEY	TEEPEE	HIGHGROVE	State	0.1	Town Collector	4.1A	\$7.98	\$0.80
North	North County Metro	SAN PASQUAL VALLEY	HIGHGROVE	OLD SAN PASQUAL	State	0.11	Town Collector	4.1A	\$7.98	\$0.88
North	North County Metro	SMILAX	OLEANDER	MIMOSA	Regional	0.31	New	4.1B	\$20.56	\$6.37
North	North County Metro	SOUTH SANTA FE	MONTGOMERY	ZONE CONNECTOR	RAS	0.45	Light Collector	4.1A	\$11.38	\$5.12
North	North County Metro	SOUTH SANTA FE	ZONE CONNECTOR	YORK	RAS	0.05	Light Collector	4.1A	\$11.38	\$0.57
North	North County Metro	SOUTH SANTA FE	YORK	WOODLAND	RAS	0.06	Light Collector	4.1A	\$11.38	\$0.68
North	North County Metro	SOUTH SANTA FE	WOODLAND	TIBER	RAS	0.09	Light Collector	4.1A	\$11.38	\$1.02
North	North County Metro	SOUTH SANTA FE	TIBER	ROBELINI	RAS	0.18	Light Collector	4.1A	\$11.38	\$2.05
North	North County Metro	SOUTH SANTA FE	ROBELINI	BUENA CREEK	RAS	0.08	Light Collector	4.1A	\$11.38	\$0.91
North	North County Metro	SOUTH SANTA FE	BUENA CREEK	ZONE CONNECTOR	RAS	0.07	Light Collector	4.1A	\$11.38	\$0.80
North	North County Metro	SOUTH SANTA FE	ZONE CONNECTOR	PALMYRA	RAS	0.11	Light Collector	4.1A	\$11.38	\$1.25
North	North County Metro	SOUTH SANTA FE	PALMYRA	AZALEA	RAS	0.2	Light Collector	4.1A	\$11.38	\$2.28
North	North County Metro	SOUTH SANTA FE	AZALEA	POINSETTIA	RAS	0.14	Light Collector	4.1A	\$11.38	\$1.59
North	North County Metro	SOUTH SANTA FE	POINSETTIA	2430/2503	RAS	0.19	Light Collector	4.1A	\$11.38	\$2.16
North	North County Metro	SOUTH SANTA FE	2430/2503	SMILAX	RAS	0.11	Light Collector	4.1A	\$11.38	\$1.25
North	North County Metro	SYCAMORE	BUENA CREEK	UNKNOWN	RAS	0.11	Light Collector	6.2	\$23.94	\$2.63
North	North County Metro	SYCAMORE	UNKNOWN	ROBELINI	RAS	0.14	Light Collector	6.2	\$23.94	\$3.35
North	North County Metro	SYCAMORE	ROBELINI	LOBELIA	RAS	0.01	Light Collector	6.2	\$23.94	\$0.24
North	North County Metro	VALLEY	CLAUDAN	VIA RANCHO	RAS	0.05	Light Collector	4.1A	\$11.38	\$0.57
North	North County Metro	VIA RANCHO	DEL DIOS	LAKE	RAS	0.06	Light Collector	4.1A	\$11.38	\$0.68
North	North County Metro	VIA RANCHO	LAKE	HIGHLANDS WEST	RAS	0.2	Light Collector	4.1A	\$11.38	\$2.28
North	North County Metro	VIA RANCHO	HIGHLANDS WEST	EUCALYPTUS	RAS	0.49	Light Collector	4.1A	\$11.38	\$5.57
North	North County Metro	VIA RANCHO	EUCALYPTUS	VIA LOMA VISTA	RAS	0.57	Light Collector	4.1A	\$11.38	\$6.48
North	North County Metro	VIA RANCHO	VIA LOMA VISTA	FELICITA	RAS	0.74	Light Collector	4.1A	\$11.38	\$8.42
North	North County Metro	VIA RANCHO	FELICITA	MONTESANO	RAS	0.13	Light Collector	4.1A	\$11.38	\$1.48
North	North County Metro	VIA RANCHO	OLD PASQUAL	VIENTO VALLE	Regional	0.28	Light Collector	4.1B	\$7.06	\$1.98
North	North County Metro	VIA RANCHO	VIENTO VALLE	SAN PASQUAL	Regional	0.07	Light Collector	4.1B	\$7.06	\$0.49
North	Pala-Pauma	COLE GRADE NEW	SR-76	UNKNOWN	Local	1.09	New	2.3B	\$12.00	\$13.08
North	Pala-Pauma	COLE GRADE NEW	UNKNOWN	SR-76	Local	1.04	New	2.3B	\$12.00	\$12.48
North	Pendleton-De Luz	CHRISTIANITOS	CAMP TALEGA	TENAJA TRUCK	Local	0.17	New	2.2E	\$12.75	\$2.17
North	San Dieguito	CAM DEL NORTE	SF 1407	4SR	RAS	0.29	Major	6.2	\$7.63	\$2.21
North	San Dieguito	CAM DEL NORTE	4SR	DOVE CANYON	RAS	0.25	Major	6.2	\$7.63	\$1.91
North	San Dieguito	EL APAJO	VIA DE LA VALLE	VIA DE SANTA FE	Local	0.33	New	2.1A	\$13.97	\$4.61
North	San Dieguito	EL APAJO	VIA DE SANTA FE	SAN DIEGUITO	Local	0.57	Light Collector	2.1A	\$4.09	\$2.33
North	San Dieguito	EL CAMINO DEL NORTE	VAL SERENO	LAS MONTANAS	Local	0.62	Light Collector	2.2F	\$0.49	\$0.30
North	San Dieguito	EL CAMINO DEL NORTE	LAS MONTANAS	VIA DE SUENO	Local	0.19	Light Collector	2.2F	\$0.49	\$0.09
North	San Dieguito	EL CAMINO DEL NORTE	VIA DE SUENO	VIA DE FORTUNA	Local	0.17	Light Collector	2.2F	\$0.49	\$0.08
North	San Dieguito	EL CAMINO DEL NORTE	VIA DE FORTUNA	VIA ROSWITHA	Local	0.41	Light Collector	2.2F	\$0.49	\$0.20
North	San Dieguito	EL CAMINO DEL NORTE	VIA ROSWITHA	ZONE CONNECTOR	Local	0.14	Light Collector	2.2F	\$0.49	\$0.07
North	San Dieguito	EL CAMINO DEL NORTE	ZONE CONNECTOR	LAGO VISTA	Local	0.61	Light Collector	2.2F	\$0.49	\$0.30

### Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost	
North	San Dieguito	EL CAMINO DEL NORTE	LAGO VISTA	LAGO LINDO	Local	0.07	Light Collector	2.2F	\$0.49	\$0.03	
North	San Dieguito	EL CAMINO DEL NORTE	LAGO LINDO	ALISO CANYON	Local	0.11	Light Collector	2.2F	\$0.49	\$0.05	
North	San Dieguito	EL CAMINO DEL NORTE	ALISO CANYON	RANCHO CIELO	Local	0.14	Light Collector	2.2F	\$0.49	\$0.07	
North	San Dieguito	EL CAMINO DEL NORTE	RANCHO CIELO	UNKNOWN	Local	0.18	Light Collector	2.2F	\$0.49	\$0.09	
North	San Dieguito	EL CAMINO DEL NORTE	UNKNOWN	DEL DIOS ROUNDABOUT	Local	0.24	Light Collector	2.2F	\$0.49	\$0.12	
North	San Dieguito	EL CAMINO DEL NORTE	DEL DIOS ROUNDABOUT	DEL DIOS/PS DELICIAS	Local	0.06	Light Collector	2.2F	\$0.49	\$0.03	
North	San Dieguito	EL CAMINO REAL	LA NORIA	UNKNOWN	Local	0.09	Light Collector	2.2F	\$0.49	\$0.04	
North	San Dieguito	EL CAMINO REAL	LA NORIA	UNKNOWN	Local	0.08	Light Collector	2.2F	\$0.49	\$0.04	
North	San Dieguito	EL CAMINO REAL	LA NORIA	UNKNOWN	Local	0.83	Light Collector	2.2F	\$0.49	\$0.40	
North	San Dieguito	EL CAMINO REAL	UNKNOWN	HIGHLAND	Local	0.34	Light Collector	2.2F	\$0.49	\$0.16	
North	San Dieguito	EL CAMINO REAL	HIGHLAND	LINEA DEL CIELO	Local	0.69	Light Collector	2.2F	\$0.49	\$0.33	
North	San Dieguito	EL CAMINO REAL	LINEA DEL CIELO	ZONE CONNECTOR	Local	0.48	Light Collector	2.2F	\$0.49	\$0.23	
North	San Dieguito	EL CAMINO REAL	ZONE CONNECTOR	LADERA SARINA	Local	0.31	New	2.2F	\$9.80	\$3.04	
North	San Dieguito	EL CAMINO REAL	LADERA SARINA	RANCHO DEL MADISON	Local	0.35	Light Collector	2.2F	\$0.49	\$0.17	
North	San Dieguito	LA BAJADA	EL MIRLO	LA NORIA	Local	0.29	Light Collector	2.2F	\$0.49	\$0.14	
North	San Dieguito	LA BAJADA	LA NORIA	LOS MORROS	Local	0.24	Light Collector	2.2F	\$0.49	\$0.12	
North	San Dieguito	LA GRANADA	LOS MORROS	SAN ELIJO	Local	0.14	Light Collector	2.2F	\$0.49	\$0.07	
North	San Dieguito	LA GRANADA	SAN ELIJO	RAMBLA DE LAS FLORES	Local	0.03	Light Collector	2.2F	\$0.49	\$0.01	
North	San Dieguito	LA GRANADA	RAMBLA DE LAS FLORES	SOBRE LOS CERROS	Local	0.86	Light Collector	2.2F	\$0.49	\$0.42	
North	San Dieguito	LA GRANADA	SOBRE LOS CERROS	AVNDA DE ACACIAS	Local	0.48	Light Collector	2.2F	\$0.49	\$0.23	
North	San Dieguito	LA GRANADA	AVNDA DE ACACIAS	PASEO DELICIAS	Local	0.17	Light Collector	2.2F	\$0.49	\$0.08	
North	San Dieguito	LA NORIA	LA BAJADA	EL PUENTE	Local	0.78	Light Collector	2.2F	\$0.49	\$0.38	
North	San Dieguito	LINEA DEL CIELO	PASEO DELICIAS	EL SECRETO	Local	0.59	Light Collector	2.2F	\$0.49	\$0.29	
North	San Dieguito	LINEA DEL CIELO	EL SECRETO	ZONE CONNECTOR	Local	0.39	Light Collector	2.2F	\$0.49	\$0.19	
North	San Dieguito	LINEA DEL CIELO	ZONE CONNECTOR	RAMBLA DE LAS FLORES	Local	0.53	Light Collector	2.2F	\$0.49	\$0.26	
North	San Dieguito	LINEA DEL CIELO	RAMBLA DE LAS FLORES	LAS PLANIDERAS	Local	0.57	Light Collector	2.2F	\$0.49	\$0.28	
North	San Dieguito	LINEA DEL CIELO	LAS PLANIDERAS	EL CAMINO REAL	Local	0.11	Light Collector	2.2F	\$0.49	\$0.05	
North	San Dieguito	LINEA DEL CIELO	EL CAMINO REAL	LOMAS SANTA FE	Local	0.4	Light Collector	2.2F	\$0.49	\$0.19	
North	San Dieguito	LOMAS SANTA FE	HIGHLAND	SUN VALLEY	Local	0.1	Light Collector	2.2F	\$0.49	\$0.05	
North	San Dieguito	LOMAS SANTA FE	SUN VALLEY	LINEA DEL CIELO	Local	0.45	Light Collector	2.2F	\$0.49	\$0.22	
North	San Dieguito	LOS MORROS	LA ENTRADA	LA GRANADA	Local	0.32	Light Collector	2.2F	\$0.49	\$0.16	
North	San Dieguito	PASEO DELICIAS	EL CAMINO DEL NORTE	DEL DIOS ROUNDABOUT	RAS	0.06	Light Collector	2.2A	\$4.89	\$0.29	
North	San Dieguito	PASEO DELICIAS	DEL DIOS ROUNDABOUT	DEL DIOS ROUNDABOUT	RAS	0.44	Light Collector	2.2A	\$4.89	\$2.15	
North	San Dieguito	PASEO DELICIAS	DEL DIOS ROUNDABOUT	LAVALLE PLATEADA	RAS	0.49	Light Collector	2.2A	\$4.89	\$2.40	
North	San Dieguito	PASEO DELICIAS	LAVALLE PLATEADA	DEL DIOS ROUNDABOUT	RAS	0.06	Light Collector	2.2A	\$4.89	\$0.29	
North	San Dieguito	PASEO DELICIAS	DEL DIOS ROUNDABOUT	LA GRANADA	RAS	0.2	Light Collector	2.2A	\$4.89	\$0.98	
North	San Dieguito	PASEO DELICIAS	LA GRANADA	LINEA DEL CIELO	RAS	0.08	Light Collector	2.2A	\$4.89	\$0.39	
North	San Dieguito	RANCHO SANTA FE	ZONE CONNECTOR	EL MIRLO	Local	0.17	Light Collector	2.2F	\$0.49	\$0.08	
North	San Dieguito	SAN DIEGUITO	UNKNOWN	CAM SANTA FE	Regional	0.02	Light Collector	4.1A	\$11.38	\$0.23	
North	San Dieguito	SAN DIEGUITO	EL APAJO	UNKNOWN	Regional	0.08	Light Collector	4.1A	\$11.38	\$0.91	
North	San Dieguito	SAN DIEGUITO	VIA DOS VALLES	EL APAJO	Local	0.74	Light Collector	2.1A	\$4.09	\$3.03	
North	San Dieguito	SAN DIEGUITO	ZONE CONNECTOR	VIA DOS VALLES	Local	0.85	Light Collector	2.1A	\$4.09	\$3.48	
North	San Dieguito	VIA DE LA VALLE		14906	EL CAMINO REAL	RAS	0.14	Light Collector	2.1B	\$3.68	\$0.51
North	Valley Center	ANTHONY	WEST LILAC		UNKNOWN	Local	0.48	New	2.2C	\$12.76	\$6.12
North	Valley Center	ANTHONY	UNKNOWN		UNKNOWN	Local	1.28	New	2.2C	\$12.76	\$16.33

## Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
North	Valley Center	ANTHONY	UNKNOWN	LILAC	Local	0.81	New	2.2C	\$12.76	\$10.33
North	Valley Center	CHAMPAGNE	GOPHER CANYON	OLD CASTLE	RAS	0.16	Light Collector	4.1B	\$7.06	\$1.13
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.01	Town Collector	4.1B	\$3.73	\$0.04
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.02	Town Collector	4.1B	\$3.73	\$0.07
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.03	Town Collector	4.1B	\$3.73	\$0.11
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.04	Town Collector	4.1B	\$3.73	\$0.15
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.05	Town Collector	4.1B	\$3.73	\$0.19
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.05	Town Collector	4.1B	\$3.73	\$0.19
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.07	Town Collector	4.1B	\$3.73	\$0.26
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.09	Town Collector	4.1B	\$3.73	\$0.34
North	Valley Center	COLE GRADE	FRUITVALE	JAKE	RAS	0.35	Light Collector	4.2A	\$10.97	\$3.84
North	Valley Center	COLE GRADE	JAKE	ZONE CONNECTOR	RAS	0.13	Light Collector	4.2A	\$10.97	\$1.43
North	Valley Center	COLE GRADE	ZONE CONNECTOR	VALLEY CENTER	RAS	0.19	Light Collector	4.2A	\$10.97	\$2.08
North	Valley Center	CYPRESS	LILAC	ZONE CONNECTOR	Regional	0.39	Light Collector	4.2B	\$7.11	\$2.77
North	Valley Center	CYPRESS	ZONE CONNECTOR	CHARLAN	Regional	0.38	Light Collector	4.2B	\$7.11	\$2.70
North	Valley Center	GLEN	UNKNOWN	ANTHONY	Local	1.42	New	2.2C	\$12.76	\$18.12
North	Valley Center	GLEN	UNKNOWN	UNKNOWN	Local	1.01	New	2.2C	\$12.76	\$12.89
North	Valley Center	GLEN	UNKNOWN	UNKNOWN	Local	0.24	New	2.2C	\$12.76	\$3.06
North	Valley Center	GLEN	PAUMA HEIGHTS	UNKNOWN	Local	0.87	New	2.2C	\$12.76	\$11.10
North	Valley Center	LILAC	ANTHONY	UNKNOWN	Regional	0.43	Light Collector	4.2B	\$7.11	\$3.06
North	Valley Center	LILAC	UNKNOWN	BETSWORTH	Regional	0.97	Light Collector	4.2B	\$7.11	\$6.89
North	Valley Center	LILAC	BETSWORTH	CYPRESS	Regional	0.15	Light Collector	4.2B	\$7.11	\$1.07
North	Valley Center	LILAC	CYPRESS	VALLEY CENTER	Regional	0.15	Light Collector	4.2B	\$7.11	\$1.07
North	Valley Center	MOUNTAIN MEADOW	ZONE CONNECTOR	UNKNOWN	RAS	0.43	New	2.1D	\$12.27	\$5.28
North	Valley Center	MOUNTAIN MEADOW	UNKNOWN	UNKNOWN	RAS	0.06	New	2.1D	\$12.27	\$0.74
North	Valley Center	MOUNTAIN MEADOW	UNKNOWN	UNKNOWN	RAS	0.6	New	2.1D	\$12.27	\$7.36
North	Valley Center	MOUNTAIN MEADOW	UNKNOWN	UNKNOWN	RAS	0.01	New	2.1D	\$12.27	\$0.12
North	Valley Center	MOUNTAIN MEADOW	UNKNOWN	UNKNOWN	RAS	0.43	New	2.1D	\$12.27	\$5.28
North	Valley Center	MOUNTAIN MEADOW	UNKNOWN	FRACE	RAS	0.28	New	2.1D	\$12.27	\$3.44
North	Valley Center	MOUNTAIN MEADOW	FRACE	ZONE CONNECTOR	RAS	0.72	New	2.1D	\$12.27	\$8.84
North	Valley Center	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.01	Light Collector	4.1B	\$7.06	\$0.07
North	Valley Center	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.03	Light Collector	4.1B	\$7.06	\$0.21
North	Valley Center	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.05	Light Collector	4.1B	\$7.06	\$0.35
North	Valley Center	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.13	Light Collector	4.1B	\$7.06	\$0.92
North	Valley Center	OLD 395	ZONE CONNECTOR	CAM DEL REY	RAS	0.06	Light Collector	4.1B	\$7.06	\$0.42
North	Valley Center	OLD 395	ZONE CONNECTOR	CAM DEL REY	RAS	0.1	Light Collector	4.1B	\$7.06	\$0.71
North	Valley Center	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.05	Town Collector	4.1B	\$3.73	\$0.19
North	Valley Center	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.08	Town Collector	4.1B	\$3.73	\$0.30
North	Valley Center	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.11	Town Collector	4.1B	\$3.73	\$0.41
North	Valley Center	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.15	Town Collector	4.1B	\$3.73	\$0.56
North	Valley Center	OLD 395	CIRCLE R	GOPHER CANYON	RAS	0.15	Light Collector	4.1B	\$7.06	\$1.06
North	Valley Center	TURTLE ROCK	BALLARENA	COLE GRADE	Local	0.14	New	2.3B	\$12.00	\$1.68
North	Valley Center	VALLEY CENTER	WILHITE	VESPER	RAS	0.33	Light Collector	4.2A	\$10.97	\$3.62
North	Valley Center	VALLEY CENTER	VESPER	COLE GRADE	RAS	0.21	Light Collector	4.2A	\$10.97	\$2.30
North	Valley Center	VILLA SIERRA	UNKNOWN	UNKNOWN	Local	0.97	New	2.3C	\$12.00	\$11.64

### Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
North	Valley Center	VILLA SIERRA	UNKNOWN	UNKNOWN	Local	0.3	New	2.3C	\$12.00	\$3.60
North	Valley Center	VILLA SIERRA	UNKNOWN	MACTAN	Local	0.3	New	2.3C	\$12.00	\$3.60
North	Valley Center	WEST LILAC	ANTHONY	LILAC RIDGE	Local	0.09	Light Collector	2.2F	\$0.49	\$0.04
North	Valley Center	WEST LILAC	LILAC RIDGE	ZONE CONNECTOR	Local	0.47	Light Collector	2.2F	\$0.49	\$0.23
North	Valley Center	WEST LILAC	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.74	New	2.2F	\$9.80	\$7.25
North	Valley Center	WEST LILAC	ZONE CONNECTOR	CIRCLE R	Local	0.6	Light Collector	2.2F	\$0.49	\$0.29
North	Valley Center	WEST LILAC	CIRCLE R	LILAC HILLS	Local	0.44	Light Collector	2.2F	\$0.49	\$0.21
North	Valley Center	WEST LILAC	LILAC HILLS	UNKNOWN	Local	0.97	Light Collector	2.2F	\$0.49	\$0.47
North	Valley Center	WEST LILAC	UNKNOWN	LILAC	Local	0.42	Light Collector	2.2F	\$0.49	\$0.20
East	Central Mountain	BOULDER CREEK	PINE HILLS	ENGINEERS	Local	0.28	Light Collector	2.2F	\$0.49	\$0.14
East	Central Mountain	ENGINEERS	BOULDER CREEK	ZONE CONNECTOR	Local	1.08	Light Collector	2.2F	\$0.49	\$0.52
East	Central Mountain	ENGINEERS	ZONE CONNECTOR	SR-79	Local	4.65	Light Collector	2.2F	\$0.49	\$2.26
East	Central Mountain	JAPATUL VALLEY	RAMP I-8 EB	ALPINE	Local	0.07	Light Collector	2.2F	\$0.49	\$0.03
East	Central Mountain	JAPATUL VALLEY	ALPINE	ZONE CONNECTOR	Local	0.46	Light Collector	2.2F	\$0.49	\$0.22
East	Central Mountain	JAPATUL VALLEY	ZONE CONNECTOR	AVNDA DE LOS ARBOLES	Local	0.57	Light Collector	2.2F	\$0.49	\$0.28
East	Desert	TILTING T	DI GIORGIO	MARKER	Local	0.63	Light Collector	2.2B	\$3.39	\$2.14
East	Desert	TILTING T	MARKER	BORREGO VALLEY	Local	0.62	Light Collector	2.2B	\$3.39	\$2.10
East	Julian	BOULDER CREEK	PINE HILLS	ENGINEERS	Local	2.59	Light Collector	2.2F	\$0.49	\$1.26
East	Julian	FARMER	ZONE CONNECTOR	SR-78	Local	0.45	Light Collector	2.2F	\$0.49	\$0.22
East	Julian	FARMER	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.44	Light Collector	2.2F	\$0.49	\$0.21
East	Julian	FARMER	WYNOLA	ZONE CONNECTOR	Local	1.3	Light Collector	2.2F	\$0.49	\$0.63
East	Julian	PINE HILLS	EAGLE PEAK	UNKNOWN	Local	0.6	Light Collector	2.2F	\$0.49	\$0.29
East	Julian	PINE HILLS	UNKNOWN	BOULDER CREEK	Local	1.13	Light Collector	2.2F	\$0.49	\$0.55
East	Julian	PINE HILLS	SR-78	EAGLE PEAK	Local	1.58	Light Collector	2.2F	\$0.49	\$0.77
East	Julian	WYNOLA	SR-78	UNKNOWN	Local	0.37	Light Collector	2.2F	\$0.49	\$0.18
East	Julian	WYNOLA	UNKNOWN	FARMER	Local	2.94	Light Collector	2.2F	\$0.49	\$1.43
East	Julian	WYNOLA	FARMER	SR-78	Local	0.79	Light Collector	2.2F	\$0.49	\$0.38
East	Mountain Empire	LA POSTA	OLD 80	ZONE CONNECTOR	Local	1.57	Light Collector	2.2F	\$0.49	\$0.76
East	Mountain Empire	LA POSTA	ZONE CONNECTOR	LA POSTA TRUCK	Local	1.22	Light Collector	2.2F	\$0.49	\$0.59
East	Mountain Empire	LA POSTA	LA POSTA TRUCK	ZONE CONNECTOR	Local	1.83	Light Collector	2.2F	\$0.49	\$0.89
East	Mountain Empire	LA POSTA	ZONE CONNECTOR	SR-94	Local	1.27	Light Collector	2.2F	\$0.49	\$0.62
East	Mountain Empire	TECATE	SR-94	ZONE CONNECTOR	State	0.56	Light Collector	4.1A	\$11.38	\$6.37
East	Mountain Empire	TECATE	ZONE CONNECTOR	ZONE CONNECTOR	State	0.91	Light Collector	4.1A	\$11.38	\$10.35
East	Mountain Empire	TECATE	ZONE CONNECTOR	ZONE CONNECTOR	State	0.24	Light Collector	4.1A	\$11.38	\$2.73
East	Mountain Empire	TECATE	ZONE CONNECTOR	ZONE CONNECTOR	State	0.15	Light Collector	4.1A	\$11.38	\$1.71
East	Ramona	ASH	ZONE CONNECTOR	SR-78	Local	1.05	New	2.1E	\$12.27	\$12.89
East	Ramona	ASHLEY	CREELMAN	DYE	Local	0.25	New	2.3B	\$12.00	\$3.00
East	Ramona	BOUNDARY	JULIAN	HUNTER	Local	0.79	New	2.2E	\$12.75	\$10.07
East	Ramona	DYE	UNKNOWN	MUSSEY GRADE	RAS	0.6	New	2.1E	\$12.27	\$7.36
East	Ramona	DYE	RAMONA	WARNOCK	RAS	0.7	New	2.1C	\$12.27	\$8.59
East	Ramona	DYE	SAN VICENTE	UNKNOWN	RAS	0.25	New	2.1C	\$12.27	\$3.07
East	Ramona	DYE	UNKNOWN	ASHLEY	RAS	0.25	New	2.1C	\$12.27	\$3.07
East	Ramona	DYE	ASHLEY	KEYES	RAS	0.66	New	2.1C	\$12.27	\$8.10
East	Ramona	HIGHLAND VALLEY	UNKNOWN	BANDY CANYON	Local	0.12	Light Collector	2.2A	\$4.89	\$0.59
East	Ramona	HIGHLAND VALLEY	UNKNOWN	BANDY CANYON	Local	0.7	Light Collector	2.2A	\$4.89	\$3.43

### Appendix A - Mobility Element Roadway Improvements

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	ME Classification	ME Improvement Unit Cost	ME Improvement Total Cost
East	Ramona	HIGHLAND VALLEY	BANDY CANYON	PASEO PENASCO	Local	0.83	Light Collector	2.2A	\$4.89	\$4.06
East	Ramona	HIGHLAND VALLEY	PASEO PENASCO	RAMP SR125 SB	Local	0.67	Light Collector	2.2A	\$4.89	\$3.28
East	Ramona	HIGHLAND VALLEY	RAMP SR125 SB	RAMP SR125 NB	Local	0.08	Light Collector	2.2A	\$4.89	\$0.39
East	Ramona	HIGHLAND VALLEY	RAMP SR125 NB	SA 603	Local	1.11	Light Collector	2.2A	\$4.89	\$5.43
East	Ramona	HIGHLAND VALLEY	SA 603	SKY VALLEY	Local	1.23	Light Collector	2.2A	\$4.89	\$6.02
East	Ramona	HIGHLAND VALLEY	SKY VALLEY	ZONE CONNECTOR	Local	0.9	Light Collector	2.2A	\$4.89	\$4.40
East	Ramona	HIGHLAND VALLEY	ZONE CONNECTOR	SR-125 ACCESS	Local	0.22	Light Collector	2.2A	\$4.89	\$1.08
East	Ramona	HIGHLAND VALLEY	SR-125 ACCESS	ARCHIE MOORE	Local	0.76	Light Collector	2.2A	\$4.89	\$3.72
East	Ramona	JULIAN	DYE	MUSSEY GRADE	State	0.46	Town Collector	4.1A	\$7.98	\$3.67
East	Ramona	JULIAN	HIGHLAND VALLEY	DYE	State	0.12	Town Collector	4.1A	\$7.98	\$0.96
East	Ramona	JULIAN	ZONE CONNECTOR	HIGHLAND VALLEY	State	0.49	Town Collector	4.1A	\$7.98	\$3.91
East	Ramona	JULIAN	BOUNDARY	ZONE CONNECTOR	State	0.1	Town Collector	4.1A	\$7.98	\$0.80
East	Ramona	JULIAN	MAIN	BOUNDARY	State	0.47	Town Collector	4.1A	\$7.98	\$3.75
East	Ramona	KEYES	MAGNOLIA	ZONE CONNECTOR	RAS	0.56	New	2.1C	\$12.27	\$6.87
East	Ramona	KEYES	ZONE CONNECTOR	OLD JULIAN	RAS	0.26	New	2.1C	\$12.27	\$3.19
East	Ramona	MAIN	KALBAUGH	ETCHEVERRY	State	0.25	Town Collector	4.1B	\$3.73	\$0.93
East	Ramona	SA 330	MONTECITO	ZONE CONNECTOR	Local	0.36	New	2.2E	\$12.75	\$4.59
East	Ramona	SA 330	ZONE CONNECTOR	SAWDAY	Local	0.31	New	2.2E	\$12.75	\$3.95
East	Ramona	SAWDAY	SA 330	JULIAN	Local	0.8	New	2.2E	\$12.75	\$10.20
East	Ramona	SR-67	MUSSEY GRADE	ZONE CONNECTOR	State	0.44	Town Collector	4.1A	\$7.98	\$3.51
East	Ramona	SR-67	ZONE CONNECTOR	AIR MAIL	State	0.6	Town Collector	4.1A	\$7.98	\$4.79
East	Ramona	SR-67	AIR MAIL	UNKNOWN	State	0.58	Light Collector	4.1A	\$11.38	\$6.60
East	Ramona	SR-67	UNKNOWN	ARCHIE MOORE	State	0.69	Light Collector	4.1A	\$11.38	\$7.85

## Appendix B

### List of Improvements Associated with Existing Roadway Deficiencies and/or Outside Growth

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## Appendix B - Improvements Associated With Existing Deficiencies and/or External Growth

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+UG Required Classification	E+UG Improvement Unit Cost	E+UG Improvement Total Cost
South	Alpine	ALPINE	ZONE CONNECTOR	ZONE CONNECTOR	RAS	0.18	Light Collector	2.2A	\$4.89	\$0.88
South	Alpine	ALPINE	ZONE CONNECTOR	UNKNOWN	RAS	0.14	Light Collector	2.2A	\$4.89	\$0.69
South	Alpine	ALPINE	UNKNOWN	UNKNOWN	RAS	0.08	Light Collector	2.2A	\$4.89	\$0.39
South	Alpine	ALPINE	UNKNOWN	WEST VICTORIA	RAS	0.07	Light Collector	2.2A	\$4.89	\$0.34
South	Alpine	ALPINE	WEST VICTORIA	ELTINGE	RAS	0.05	Light Collector	2.2A	\$4.89	\$0.24
South	Alpine	ALPINE	ELTINGE	ALPINE MHP	RAS	0.29	Light Collector	2.2A	\$4.89	\$1.42
South	Alpine	ALPINE	ALPINE MHP	BAY MEADOWS	RAS	0.11	Light Collector	2.2A	\$4.89	\$0.54
South	Alpine	ALPINE	BAY MEADOWS	PADRE DAM/DANATOS	RAS	0.20	Light Collector	2.2A	\$4.89	\$0.98
South	Alpine	ARNOLD	SOUTH GRADE	MIDWAY	Local	0.63	Light Collector	2.2F	\$0.49	\$0.31
South	Alpine	ARNOLD	MIDWAY	BLUE LILAC	Local	0.48	Light Collector	2.2F	\$0.49	\$0.23
South	Alpine	ARNOLD	BLUE LILAC	FOSS	Local	0.29	Light Collector	2.2F	\$0.49	\$0.14
South	Alpine	CITRANO LN	UNKNOWN	TAVERN	Local	0.33	New	2.3A	\$12.00	\$3.96
South	Alpine	CITRANO LN	LARKSPUR	UNKNOWN	Local	0.41	New	2.3A	\$12.00	\$4.92
South	Alpine	EAST VICTORIA	NORTH VICTORIA	ZONE CONNECTOR	Local	0.57	Light Collector	2.2F	\$0.49	\$0.28
South	Alpine	EAST VICTORIA	ZONE CONNECTOR	OTTO	Local	0.22	Light Collector	2.2F	\$0.49	\$0.11
South	Alpine	JAPATUL	DEHESA	VIA ASOLEADO	Local	0.20	Light Collector	2.2F	\$0.49	\$0.10
South	Alpine	JAPATUL	VIA ASOLEADO	UNKNOWN	Local	2.42	Light Collector	2.2F	\$0.49	\$1.17
South	Alpine	JAPATUL	UNKNOWN	SC 780	Local	1.69	Light Collector	2.2F	\$0.49	\$0.82
South	Alpine	JAPATUL	SC 780	MARIAH	Local	2.08	Light Collector	2.2F	\$0.49	\$1.01
South	Alpine	JAPATUL	MARIAH	LYONS VALLEY	Local	0.65	Light Collector	2.2F	\$0.49	\$0.32
South	Alpine	JAPATUL VALLEY	ZONE CONNECTOR	AVNDA DE LOS ARBOLES	Local	0.59	Light Collector	2.2F	\$0.49	\$0.29
South	Alpine	JAPATUL VALLEY	AVNDA DE LOS ARBOLES	JAPATUL	Local	1.80	Light Collector	2.2F	\$0.49	\$0.87
South	Alpine	JAPATUL VALLEY	JAPATUL	LYONS VALLEY	Local	2.00	Light Collector	2.2F	\$0.49	\$0.97
South	Alpine	LYONS VALLEY	UNKNOWN	UNKNOWN	Local	2.33	Light Collector	2.2F	\$0.49	\$1.13
South	Alpine	LYONS VALLEY	UNKNOWN	JAPATUL	Local	1.39	Light Collector	2.2F	\$0.49	\$0.67
South	Alpine	NORTH VICTORIA	SNEATH	STARBRIGHT	Local	0.30	Light Collector	2.2F	\$0.49	\$0.15
South	Alpine	NORTH VICTORIA	STARBRIGHT	PEUTZ VALLEY	Local	0.30	Light Collector	2.2F	\$0.49	\$0.15
South	Alpine	NORTH VICTORIA	PEUTZ VALLEY	UNKNOWN	Local	0.07	Light Collector	2.2F	\$0.49	\$0.03
South	Alpine	NORTH VICTORIA	UNKNOWN	EAST VICTORIA	Local	0.23	Light Collector	2.2F	\$0.49	\$0.11
South	Alpine	SC 1930	DUNBAR	UNKNOWN	Local	0.10	New	2.3C	\$12.00	\$1.20
South	Alpine	TAVERN	RAMP I-8 WB	RAMP I-8 HOV EB	Regional	0.17	Town Collector	4.1B	\$3.73	\$0.63
South	Alpine	TAVERN	RAMP I-8 HOV EB	RAMP	Regional	0.06	Town Collector	4.1B	\$3.73	\$0.22
South	Alpine	TAVERN	RAMP	ALPINE	Regional	0.04	Town Collector	4.1B	\$3.73	\$0.15
South	Alpine	VICTORIA PARK	TAVERN	LARKSPUR	Local	0.23	New	2.2E	\$12.75	\$2.93
South	Alpine	VICTORIA PARK	LARKSPUR	GENTIAN	Local	0.17	New	2.2E	\$12.75	\$2.17
South	Alpine	WEST VICTORIA	NORTH VICTORIA	VICTORIA CIRCLE	Local	0.39	Light Collector	2.2F	\$0.49	\$0.19
South	Alpine	WEST VICTORIA	VICTORIA CIRCLE	VICTORIA PARK	Local	0.10	Light Collector	2.2F	\$0.49	\$0.05
South	Alpine	WILLOWS	VIEJAS GRADE	UNKNOWN	RAS	0.62	Light Collector	4.2A	\$10.97	\$6.80
South	Alpine	WILLOWS	UNKNOWN	VIEJAS ROW	RAS	0.35	Light Collector	4.2A	\$10.97	\$3.84
South	County Islands	EUCLID	RIDGEWAY	NORTH OF SWEETWATER	RAS	0.29	Light Collector	4.1B	\$7.06	\$2.05
South	County Islands	EUCLID	RIDGEWAY	NORTH OF SWEETWATER	RAS	0.01	Light Collector	4.1B	\$7.06	\$0.07
South	County Islands	EUCLID	NORTH OF SWEETWATER	SWEETWATER	RAS	0.03	Light Collector	4.1B	\$7.06	\$0.21
South	County Islands	MIRAMAR	RAMP I-15 NB	RAMP I-15 SB	RAS	0.09	Collector	4.1A	\$4.82	\$0.43
South	County Islands	POMERADO	WILLOW CREEK	UNKNOWN	RAS	0.52	Town Collector	4.1A	\$7.98	\$4.15
South	County Islands	POMERADO	UNKNOWN	RAMP I-15 NB	RAS	0.06	Light Collector	4.1A	\$11.38	\$0.68

## Appendix B - Improvements Associated With Existing Deficiencies and/or External Growth

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+UG Required Classification	E+UG Improvement Unit Cost	E+UG Improvement Total Cost
South	County Islands	POMERADO	RAMP I-15 NB	RAMP I-15 NB	RAS	0.11	Town Collector	4.1A	\$7.98	\$0.88
South	County Islands	SWEETWATER	RAMP I-805 SB	RAMP I-805 NB	RAS	0.05	Collector	6.2	\$12.96	\$0.65
South	County Islands	SWEETWATER	RAMP I-805 NB	OLIVE	RAS	0.07	Collector	6.2	\$12.96	\$0.91
South	County Islands	SWEETWATER	OLIVE	ORANGE	RAS	0.04	Collector	6.2	\$12.96	\$0.52
South	Crest-Dehesa	CREST	SUNCREST	SOUTH	Local	0.36	Light Collector	2.2F	\$0.49	\$0.17
South	Crest-Dehesa	DEHESA	WILLOW GLEN	ZONE CONNECTOR	RAS	0.42	Light Collector	2.1A	\$4.09	\$1.72
South	Crest-Dehesa	DEHESA	ZONE CONNECTOR	SYCUAN SUMMIT	RAS	0.57	Light Collector	2.1A	\$4.09	\$2.33
South	Crest-Dehesa	DEHESA	SYCUAN SUMMIT	UNKNOWN	RAS	0.81	Light Collector	2.1A	\$4.09	\$3.32
South	Crest-Dehesa	DEHESA	UNKNOWN	UNKNOWN	RAS	0.91	Light Collector	2.1A	\$4.09	\$3.73
South	Crest-Dehesa	DEHESA	UNKNOWN	HARBISON CANYON	RAS	0.51	Light Collector	2.1A	\$4.09	\$2.09
South	Crest-Dehesa	DEHESA	HARBISON CANYON	ZONE CONNECTOR	RAS	0.25	Light Collector	2.1A	\$4.09	\$1.02
South	Crest-Dehesa	DEHESA	ZONE CONNECTOR	SYCUAN	RAS	0.48	Light Collector	2.1A	\$4.09	\$1.97
South	Crest-Dehesa	GREENFIELD	BERMUDA LANE	CANDLE	Regional	0.06	Light Collector	4.1B	\$7.06	\$0.42
South	Crest-Dehesa	GREENFIELD	CANDLE	SYCAMORE	Regional	0.08	Light Collector	4.1B	\$7.06	\$0.56
South	Crest-Dehesa	GREENFIELD	SYCAMORE	LA CRESTA	Regional	0.15	Light Collector	4.1B	\$7.06	\$1.06
South	Crest-Dehesa	LA CRESTA	MOUNTAIN VIEW	BURDETT	Local	0.31	Light Collector	2.2F	\$0.49	\$0.15
South	Crest-Dehesa	LA CRESTA	BURDETT	NORTH	Local	0.23	Light Collector	2.2F	\$0.49	\$0.11
South	Crest-Dehesa	SOUTH	SUNCREST	CREST	Local	0.27	Light Collector	2.2F	\$0.49	\$0.13
South	Crest-Dehesa	SUNCREST	SOUTH	BEECH	Local	0.20	Light Collector	2.2F	\$0.49	\$0.10
South	Crest-Dehesa	SUNCREST	BEECH	LENTO	Local	0.27	Light Collector	2.2F	\$0.49	\$0.13
South	Crest-Dehesa	SUNCREST	LENTO	CREST	Local	0.08	Light Collector	2.2F	\$0.49	\$0.04
South	Crest-Dehesa	SUNCREST	CREST	LA CRESTA	Local	0.11	Light Collector	2.2F	\$0.49	\$0.05
South	Jamul-Dulzura	CAMPO	ZONE CONNECTOR	SR-94	State	0.08	Town Collector	4.1B	\$3.73	\$0.30
South	Jamul-Dulzura	CAMPO	SR-94	FAIR ACRES	State	0.19	Town Collector	4.1B	\$3.73	\$0.71
South	Jamul-Dulzura	CAMPO	FAIR ACRES	STEELE CANYON	State	0.29	Town Collector	4.1B	\$3.73	\$1.08
South	Jamul-Dulzura	CAMPO	STEELE CANYON	RANCHO MIGUEL	State	0.18	Town Collector	4.1B	\$3.73	\$0.67
South	Jamul-Dulzura	CAMPO	RANCHO MIGUEL	VISTA SAGE	State	1.13	Town Collector	4.1B	\$3.73	\$4.21
South	Jamul-Dulzura	CAMPO	VISTA SAGE	VISTA DIEGO	State	0.62	Town Collector	4.1B	\$3.73	\$2.31
South	Jamul-Dulzura	CAMPO	VISTA DIEGO	LYONS VALLEY	State	0.09	Town Collector	4.1B	\$3.73	\$0.34
South	Jamul-Dulzura	CAMPO	LYONS VALLEY	UNKNOWN	State	0.21	Town Collector	4.1B	\$3.73	\$0.78
South	Jamul-Dulzura	CAMPO	UNKNOWN	JEFFERSON	State	0.13	Town Collector	4.1B	\$3.73	\$0.48
South	Jamul-Dulzura	LYONS VALLEY	CAMPO	OLIVE VISTA	Local	0.19	Light Collector	2.2B	\$3.39	\$0.64
South	Jamul-Dulzura	LYONS VALLEY	OLIVE VISTA	JEFFERSON	Local	0.18	Light Collector	2.2B	\$3.39	\$0.61
South	Jamul-Dulzura	LYONS VALLEY	JEFFERSON	RESERVOIR	Local	0.19	Light Collector	2.2B	\$3.39	\$0.64
South	Jamul-Dulzura	LYONS VALLEY	RESERVOIR	JAMUL	Local	0.18	Light Collector	2.2B	\$3.39	\$0.61
South	Jamul-Dulzura	LYONS VALLEY	JAMUL	RIO GRANDE	Local	0.42	Light Collector	2.2B	\$3.39	\$1.43
South	Jamul-Dulzura	LYONS VALLEY	RIO GRANDE	PEG LEG MINE	Local	0.06	Light Collector	2.2B	\$3.39	\$0.20
South	Jamul-Dulzura	LYONS VALLEY	PEG LEG MINE	ROCKY SAGE	Local	0.24	Light Collector	2.2B	\$3.39	\$0.81
South	Jamul-Dulzura	LYONS VALLEY	ROCKY SAGE	SC 760	Local	0.04	Light Collector	2.2B	\$3.39	\$0.14
South	Jamul-Dulzura	LYONS VALLEY	SC 760	SKYLINE TRUCK	Local	0.12	Light Collector	2.2B	\$3.39	\$0.41
South	Jamul-Dulzura	LYONS VALLEY	HONEY SPRINGS	BARRETT LAKE	Local	1.70	Light Collector	2.2F	\$0.49	\$0.82
South	Jamul-Dulzura	LYONS VALLEY	BARRETT LAKE	UNKNOWN	Local	1.74	Light Collector	2.2F	\$0.49	\$0.84
South	Jamul-Dulzura	LYONS VALLEY	UNKNOWN	UNKNOWN	Local	0.57	Light Collector	2.2F	\$0.49	\$0.28
South	Jamul-Dulzura	SR-94	CAMPO	CAMPO	State	0.42	Town Collector	4.1B	\$3.73	\$1.57
South	Lakeside	ASHWOOD	WILLOW	ZONE CONNECTOR	Regional	0.43	Light Collector	4.1B	\$7.06	\$3.03

## Appendix B - Improvements Associated With Existing Deficiencies and/or External Growth

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+UG Required Classification	E+UG Improvement Unit Cost	E+UG Improvement Total Cost
South	Lakeside	ASHWOOD	ZONE CONNECTOR	ZONE CONNECTOR	Regional	0.38	Light Collector	4.1B	\$7.06	\$2.68
South	Lakeside	ASHWOOD	ZONE CONNECTOR	MAPLEVIEW	Regional	0.18	Light Collector	4.1B	\$7.06	\$1.27
South	Lakeside	BRADLEY	MAGNOLIA	RAMP SR-67 SB	RAS	0.06	Light Collector	4.1B	\$7.06	\$0.42
South	Lakeside	BRADLEY	RAMP SR-67 SB	RAMP SR-67 NB	RAS	0.08	Light Collector	4.1B	\$7.06	\$0.56
South	Lakeside	BRADLEY	RAMP SR-67 NB	GRAVES	RAS	0.05	Light Collector	4.1B	\$7.06	\$0.35
South	Lakeside	BRADLEY	GRAVES	201	RAS	0.11	Light Collector	4.1B	\$7.06	\$0.78
South	Lakeside	BRADLEY	325/360		RAS	0.09	Light Collector	4.1B	\$7.06	\$0.64
South	Lakeside	BRADLEY	450/465-MHP/469	450/465-MHP/469	RAS	0.12	Light Collector	4.1B	\$7.06	\$0.85
South	Lakeside	BRADLEY	UNKNOWN	MOLLISON	RAS	0.10	Light Collector	4.1B	\$7.06	\$0.71
South	Lakeside	BRADLEY	01ST	01ST	RAS	0.12	Light Collector	4.1B	\$7.06	\$0.85
South	Lakeside	BRADLEY	01ST	SOMERLANE	RAS	0.36	New	4.1B	\$20.56	\$7.40
South	Lakeside	BROAD OAKS	HAWLEY	SC 1930	Local	0.54	New	2.3C	\$12.00	\$6.48
South	Lakeside	GRAVES	PEPPER	DANNY	Regional	0.23	Light Collector	4.1B	\$7.06	\$1.62
South	Lakeside	GRAVES	DANNY	BRADLEY	Regional	0.21	Light Collector	4.1B	\$7.06	\$1.48
South	Lakeside	LAKE JENNINGS PARK	EL MONTE	ZONE CONNECTOR	RAS	0.50	Light Collector	4.1B	\$7.06	\$3.53
South	Lakeside	LAKE JENNINGS PARK	ZONE CONNECTOR	AMERICAN	RAS	0.37	Light Collector	4.1B	\$7.06	\$2.61
South	Lakeside	LAKE JENNINGS PARK	AMERICAN	PINKARD	RAS	0.50	Light Collector	4.1B	\$7.06	\$3.53
South	Lakeside	LAKE JENNINGS PARK	PINKARD	HARRITT	RAS	0.10	Light Collector	4.1B	\$7.06	\$0.71
South	Lakeside	LAKE JENNINGS PARK	HARRITT	JENNINGS VISTA	RAS	0.03	Light Collector	4.1B	\$7.06	\$0.21
South	Lakeside	LAKE JENNINGS PARK	JENNINGS VISTA	HWY 8/BLOSSOM VALLEY	RAS	0.08	Light Collector	4.1B	\$7.06	\$0.56
South	Lakeside	LAKE JENNINGS PARK	HWY 8/BLOSSOM VALLEY	RAMP I-8 WB	RAS	0.05	Light Collector	4.1B	\$7.06	\$0.35
South	Lakeside	LAKE JENNINGS PARK	RAMP I-8 WB	RAMP I-8 WB	RAS	0.03	Light Collector	4.1B	\$7.06	\$0.21
South	Lakeside	LAKE JENNINGS PARK	RAMP I-8 WB	SIERRA ALTA	RAS	0.04	Light Collector	4.1B	\$7.06	\$0.28
South	Lakeside	MAGNOLIA	AIRPORT	1681	Regional	0.15	Light Collector	4.1B	\$7.06	\$1.06
South	Lakeside	MAGNOLIA	BRADLEY	DENNY	Regional	0.12	Light Collector	4.1B	\$7.06	\$0.85
South	Lakeside	MAGNOLIA	CYPRESS	CYPRESS	Regional	0.15	Light Collector	4.1B	\$7.06	\$1.06
South	Lakeside	MAGNOLIA	UNKNOWN	UNKNOWN	Regional	0.17	Light Collector	4.1B	\$7.06	\$1.20
South	Lakeside	MAGNOLIA	UNKNOWN	VERNON	Regional	0.14	Light Collector	4.1B	\$7.06	\$0.99
South	Lakeside	MAPLEVIEW	ZONE CONNECTOR	INDUSTRY	Regional	0.15	New	2.2E	\$12.75	\$1.91
South	Lakeside	MAPLEVIEW	CHANNEL	ZONE CONNECTOR	Regional	0.24	New	2.2E	\$12.75	\$3.06
South	Lakeside	MAPLEVIEW	RAMP SR-67 SB	UNKNOWN	RAS	0.03	Light Collector	4.1A	\$11.38	\$0.34
South	Lakeside	MAPLEVIEW	UNKNOWN	UNKNOWN	RAS	0.02	Light Collector	4.1A	\$11.38	\$0.23
South	Lakeside	MAPLEVIEW	UNKNOWN	MAINE	RAS	0.03	Light Collector	4.1A	\$11.38	\$0.34
South	Lakeside	MAPLEVIEW	MAINE	VINE	RAS	0.04	Light Collector	4.1A	\$11.38	\$0.46
South	Lakeside	MAPLEVIEW	VINE	UNKNOWN	RAS	0.15	Collector	4.1A	\$4.82	\$0.72
South	Lakeside	MAPLEVIEW	UNKNOWN	ASHWOOD	RAS	0.08	Collector	4.1A	\$4.82	\$0.39
South	Lakeside	MAST	LOS RANCHITOS	UNNAMED LKS	Regional	0.14	New	2.2C	\$12.76	\$1.79
South	Lakeside	MAST	UNNAMED LKS	UNKNOWN	Regional	0.22	New	2.2C	\$12.76	\$2.81
South	Lakeside	MAST	UNKNOWN	RIVERFORD	Regional	0.24	New	2.2C	\$12.76	\$3.06
South	Lakeside	OLDE 80	RAMP I-8 EB	PECAN PARK	Regional	0.03	Light Collector	4.1B	\$7.06	\$0.21
South	Lakeside	OLDE 80	PECAN PARK	PECAN PARK	Regional	0.30	Light Collector	2.1A	\$4.09	\$1.23
South	Lakeside	OLDE 80	PECAN PARK	14315/14328	Regional	0.07	Light Collector	2.1A	\$4.09	\$0.29
South	Lakeside	OLDE 80	14315/14328	BOND	Regional	0.08	Light Collector	2.1A	\$4.09	\$0.33
South	Lakeside	OLDE 80	BOND	ZONE CONNECTOR	Regional	0.20	Light Collector	2.1A	\$4.09	\$0.82
South	Lakeside	OLDE 80	ZONE CONNECTOR	CHIMNEY ROCK	Regional	0.09	Light Collector	2.1A	\$4.09	\$0.37

## Appendix B - Improvements Associated With Existing Deficiencies and/or External Growth

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+UG Required Classification	E+UG Improvement Unit Cost	E+UG Improvement Total Cost
South	Lakeside	PEPPER	SOMERLANE	02ND/WINTER GARDENS	RAS	0.16	Light Collector	4.1B	\$7.06	\$1.13
South	Lakeside	PEPPER	SOMERLANE	02ND/WINTER GARDENS	RAS	0.09	Light Collector	4.1B	\$7.06	\$0.64
South	Lakeside	RIVERFORD	RIVERSIDE/MAST	UNKNOWN	Regional	0.10	Town Collector	2.1A	\$0.88	\$0.09
South	Lakeside	RIVERFORD	UNKNOWN	WOODSIDE(N)	Regional	0.22	Town Collector	2.1A	\$0.88	\$0.19
South	Lakeside	RIVERFORD	WOODSIDE(N)	RAMP SR-67 SB	Regional	0.04	Town Collector	2.1A	\$0.88	\$0.04
South	Lakeside	RIVERSIDE	RIVERFORD	PALM ROW	Regional	0.28	Light Collector	2.1A	\$4.09	\$1.15
South	Lakeside	RIVERSIDE	PALM ROW	VISTA CAMINO	Regional	0.21	Light Collector	2.1A	\$4.09	\$0.86
South	Lakeside	SIERRA ALTA	LAKE JENNINGS PARK	RAMP I-8 EB	RAS	0.03	Light Collector	4.1B	\$7.06	\$0.21
South	Lakeside	SR-67	SCRIPPS POWAY	SYCAMORE PARK	State	0.69	Town Collector	4.1A	\$7.98	\$5.51
South	Lakeside	SR-67	SYCAMORE PARK	UNKNOWN	State	0.39	Town Collector	4.1A	\$7.98	\$3.11
South	Lakeside	SR-67	UNKNOWN	UNKNOWN	State	1.12	Town Collector	4.1A	\$7.98	\$8.94
South	Lakeside	SR-67	SLAUGHTERHOUSE CNYN	VIGILANTE	State	0.23	Light Collector	4.1A	\$11.38	\$2.62
South	Lakeside	SR-67	VIGILANTE	UNKNOWN	State	0.24	Light Collector	4.1A	\$11.38	\$2.73
South	Lakeside	SR-67	UNKNOWN	JOHNSON LAKE	State	0.35	Light Collector	4.1A	\$11.38	\$3.98
South	Lakeside	SR-67	JOHNSON LAKE	POST HILL	State	0.70	Light Collector	4.1A	\$11.38	\$7.96
South	Lakeside	SR-67	POST HILL	ZONE CONNECTOR	State	0.62	Light Collector	4.1A	\$11.38	\$7.05
South	Lakeside	SR-67	ZONE CONNECTOR	UNKNOWN	State	0.40	Light Collector	4.1A	\$11.38	\$4.55
South	Lakeside	SR-67	UNKNOWN	WILLOW	State	0.13	Light Collector	4.1A	\$11.38	\$1.48
South	Lakeside	SR-67	WILLOW	UNKNOWN	State	0.15	New	4.1A	\$22.70	\$3.40
South	Lakeside	SR-67	UNKNOWN	UNKNOWN	State	0.38	Light Collector	4.1A	\$11.38	\$4.32
South	Lakeside	UNNAMED LKS	EL NOPAL	MAST	Local	0.24	New	2.2E	\$12.75	\$3.06
South	Lakeside	WILLOW NEW	WILLOW	LAKESIDE	RAS	0.32	New	2.2E	\$12.75	\$4.08
South	Lakeside	WOODSIDE	SECURITY	RAMP SR-67 NB	Regional	0.03	Light Collector	4.2A	\$10.97	\$0.33
South	Lakeside	WOODSIDE	RAMP SR-67 NB	RIVERFORD	Regional	0.06	Light Collector	4.2A	\$10.97	\$0.66
South	Otay	AIRWAY	ENRICO FERMI	UNKNOWN	Regional	0.26	New	2.2E	\$12.75	\$3.31
South	Otay	AIRWAY	UNKNOWN	ALTA	Regional	0.25	New	2.2E	\$12.75	\$3.19
South	Otay	AIRWAY	ALTA	LOOP	Regional	0.35	New	2.2E	\$12.75	\$4.46
South	Otay	ALTA	OTAY MESA	ZONE CONNECTOR	Regional	0.15	New	2.2E	\$12.75	\$1.91
South	Otay	ALTA	ZONE CONNECTOR	ZONE CONNECTOR	Regional	0.22	New	2.2E	\$12.75	\$2.80
South	Otay	ALTA	ZONE CONNECTOR	AIRWAY	Regional	0.13	New	2.2E	\$12.75	\$1.66
South	Otay	ALTA	AIRWAY	UNKNOWN	Regional	0.10	New	2.2E	\$12.75	\$1.27
South	Otay	ALTA	UNKNOWN	SIEMPRE VIVA	Regional	0.13	New	2.2E	\$12.75	\$1.66
South	Otay	ENRICO FERMI	OTAY MESA	ZONE CONNECTOR	Regional	0.10	Town Collector	4.1B	\$3.73	\$0.37
South	Otay	ENRICO FERMI	ZONE CONNECTOR	RAMP SR-11 WB	Regional	0.10	Town Collector	4.1B	\$3.73	\$0.37
South	Otay	ENRICO FERMI	RAMP SR-11 WB	RAMP SR-11 EB	Regional	0.09	Town Collector	4.1B	\$3.73	\$0.34
South	Otay	LA MEDIA	ZONE CONNECTOR	LONESTAR	Regional	0.32	New	4.1B	\$20.56	\$6.58
South	Otay	LONE STAR	PASEO DE LAS AMERICA	FARADAY	RAS	0.20	New	2.2E	\$12.75	\$2.55
South	Otay	LONE STAR	FARADAY	ENRICO FERMI	RAS	0.25	New	2.2E	\$12.75	\$3.19
South	Otay	LONE STAR	ENRICO FERMI	ZONE CONNECTOR	RAS	0.24	New	2.2E	\$12.75	\$3.06
South	Otay	LONE STAR	ZONE CONNECTOR	ALTA	RAS	0.27	New	2.2E	\$12.75	\$3.44
South	Otay	LONESTAR	PIPER RANCH	NEW HARVEST	RAS	0.10	New	2.2E	\$12.75	\$1.27
South	Otay	LONESTAR	NEW HARVEST	NATIONAL UNIVERSITY	RAS	0.10	New	2.2E	\$12.75	\$1.27
South	Otay	LONESTAR	NATIONAL UNIVERSITY	HARVEST	RAS	0.09	New	2.2E	\$12.75	\$1.15
South	Otay	LONESTAR	HARVEST	HARVEST	RAS	0.09	New	2.2E	\$12.75	\$1.15
South	Otay	LONESTAR	HARVEST	SANYO	RAS	0.40	New	2.2E	\$12.75	\$5.10

## Appendix B - Improvements Associated With Existing Deficiencies and/or External Growth

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+UG Required Classification	E+UG Improvement Unit Cost	E+UG Improvement Total Cost
South	Otay	LONESTAR	SANYO	PASEO DE LAS AMERICA	RAS	0.27	New	2.2E	\$12.75	\$3.44
South	Otay	LOOP	SIEMPRE VIVA	ZONE CONNECTOR	Regional	0.18	New	2.2E	\$12.75	\$2.29
South	Otay	LOOP	ZONE CONNECTOR	AIRWAY	Regional	0.16	New	2.2E	\$12.75	\$2.04
South	Otay	LOOP	AIRWAY	RAMP SR-11 EB	Regional	0.08	New	2.2E	\$12.75	\$1.02
South	Otay	LOOP	RAMP SR-11 EB	RAMP SR-11 WB	Regional	0.09	New	2.2E	\$12.75	\$1.15
South	Otay	LOOP	RAMP SR-11 WB	ZONE CONNECTOR	Regional	0.09	New	2.2E	\$12.75	\$1.15
South	Otay	LOOP	OTAY MESA	ZONE CONNECTOR	Regional	0.47	New	2.2E	\$12.75	\$5.99
South	Otay	NEW HARVEST	LONESTAR	UNKNOWN	Regional	0.13	New	2.2E	\$12.75	\$1.66
South	Otay	NEW HARVEST	UNKNOWN	UNNAMED	Regional	0.09	New	2.2E	\$12.75	\$1.15
South	Otay	NEW HARVEST	UNNAMED	UNKNOWN	Regional	0.20	New	2.2E	\$12.75	\$2.55
South	Otay	NEW HARVEST	UNKNOWN	HARVEST	Regional	0.12	New	2.2E	\$12.75	\$1.53
South	Otay	NEW HARVEST	HARVEST	UNNAMED	Regional	0.13	New	2.2E	\$12.75	\$1.66
South	Otay	NEW HARVEST	UNNAMED	HARVEST	Regional	0.20	New	2.2E	\$12.75	\$2.55
South	Otay	OTAY MESA	SANYO	PASEO DE LAS AMERICA	RAS	0.06	Light Collector	4.1B	\$7.06	\$0.42
South	Otay	OTAY MESA	PASEO DE LAS AMERICA	FARADAY	RAS	0.20	Light Collector	4.1B	\$7.06	\$1.41
South	Otay	OTAY MESA	FARADAY	ENRICO FERMI	RAS	0.23	Light Collector	4.1B	\$7.06	\$1.62
South	Otay	OTAY MESA	ALTA	LOOP	RAS	0.27	New	2.2E	\$12.75	\$3.44
South	Otay	SIEMPRE VIVA	ENRICO FERMI	BASE STABLES	RAS	0.28	New	2.2E	\$12.75	\$3.57
South	Otay	SIEMPRE VIVA	BASE STABLES	LOOP	RAS	0.23	New	2.2E	\$12.75	\$2.93
South	Spring Valley	JAMACHA BOULEVARD	ZONE CONNECTOR	PARADISE VALLEY	RAS	0.14	Collector	4.1A	\$4.82	\$0.67
South	Spring Valley	JAMACHA BOULEVARD	THAYER	ZONE CONNECTOR	RAS	0.17	Collector	4.1A	\$4.82	\$0.82
South	Spring Valley	JAMACHA BOULEVARD	KEMPTON	THAYER	RAS	0.15	Collector	4.1A	\$4.82	\$0.72
South	Spring Valley	JAMACHA BOULEVARD	SAN JUAN	LA PRESA	RAS	0.14	Town Collector	4.1B	\$3.73	\$0.52
South	Spring Valley	JAMACHA BOULEVARD	SAN MIGUEL	SAN JUAN	RAS	0.05	Town Collector	4.1B	\$3.73	\$0.19
South	Spring Valley	JAMACHA BOULEVARD	SAN DIEGO	SAN MIGUEL	RAS	0.17	Town Collector	4.1B	\$3.73	\$0.63
South	Spring Valley	JAMACHA BOULEVARD	OMEGA	SAN DIEGO	RAS	0.15	Town Collector	4.1B	\$3.73	\$0.56
South	Spring Valley	JAMACHA BOULEVARD	MAYA	OMEGA	RAS	0.39	Town Collector	4.1B	\$3.73	\$1.45
South	Spring Valley	JAMACHA BOULEVARD	WHITESTONE	MAYA	RAS	0.30	Town Collector	4.1B	\$3.73	\$1.12
South	Spring Valley	JAMACHA BOULEVARD	SPRING GLEN	WHITESTONE	RAS	0.32	Town Collector	4.1B	\$3.73	\$1.19
South	Spring Valley	JAMACHA BOULEVARD	JAMACHA	SPRING GLEN	RAS	0.09	Town Collector	4.1B	\$3.73	\$0.34
South	Spring Valley	JAMACHA BOULEVARD	RAMP	JAMACHA	RAS	0.13	Town Collector	4.1B	\$3.73	\$0.48
South	Spring Valley	JAMACHA BOULEVARD	SWEETWATER SPRINGS	RAMP	RAS	0.26	Town Collector	4.1B	\$3.73	\$0.97
South	Sweetwater	BONITA	CENTRAL	CHRISTIAN CENTER	RAS	0.23	Light Collector	4.1B	\$7.06	\$1.62
South	Sweetwater	BONITA	CHRISTIAN CENTER	UNKNOWN	RAS	0.19	Light Collector	4.1B	\$7.06	\$1.34
South	Sweetwater	BONITA	UNKNOWN	VILLAS	RAS	0.12	Light Collector	4.1B	\$7.06	\$0.85
South	Valle De Oro	CAMPO	BANCROFT	CAMINO PAZ	RAS	0.12	Light Collector	4.1B	\$7.06	\$0.85
South	Valle De Oro	CAMPO	NORTH BARCELONA	SOUTH CORDOBA	RAS	0.09	Light Collector	4.2B	\$7.11	\$0.64
South	Valle De Oro	CAMPO	SOUTH CORDOBA	GRANADA	RAS	0.08	Light Collector	4.2B	\$7.11	\$0.57
South	Valle De Oro	CAMPO	SR-94 EB	VIA MERCADO	State	0.22	Major	6.1	\$15.77	\$3.47
South	Valle De Oro	CAMPO	VIA MERCADO	ZONE CONNECTOR	State	0.28	Major	6.1	\$15.77	\$4.42
South	Valle De Oro	CAMPO	ZONE CONNECTOR	RAMP	State	0.18	Major	6.1	\$15.77	\$2.84
South	Valle De Oro	CAMPO	RAMP	SR 54	State	0.06	Major	6.1	\$15.77	\$0.95
South	Valle De Oro	CAMPO	SR 54	JAMACHA BOULEVARD	State	0.03	Major	6.1	\$15.77	\$0.47
South	Valle De Oro	CAMPO	JAMACHA BOULEVARD	RAMP SR-94 EB	State	0.10	Major	6.1	\$15.77	\$1.58
South	Valle De Oro	CAMPO	RAMP SR-94 EB	RAMP	State	0.28	Major	6.1	\$15.77	\$4.42

## Appendix B - Improvements Associated With Existing Deficiencies and/or External Growth

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+UG Required Classification	E+UG Improvement Unit Cost	E+UG Improvement Total Cost
South	Valle De Oro	CAMPO	RAMP	UNKNOWN	State	0.04	Major	6.1	\$15.77	\$0.63
South	Valle De Oro	CAMPO	UNKNOWN	JAMACHA ROAD	State	0.12	Major	6.1	\$15.77	\$1.89
South	Valle De Oro	CAMPO	UNKNOWN	RAMP	State	0.06	New	4.1A	\$22.70	\$1.36
South	Valle De Oro	CAMPO	UNKNOWN	SR-94	State	0.20	Light Collector	4.1B	\$7.06	\$1.41
South	Valle De Oro	CAMPO	SR-94	MILLAR RANCH	State	0.11	Light Collector	4.1B	\$7.06	\$0.78
South	Valle De Oro	CAMPO	MILLAR RANCH	UNKNOWN	State	0.35	Light Collector	4.1B	\$7.06	\$2.47
South	Valle De Oro	CAMPO	UNKNOWN	ZONE CONNECTOR	State	0.39	Town Collector	4.1B	\$3.73	\$1.45
South	Valle De Oro	CAMPO	ZONE CONNECTOR	SR-94	State	0.06	Town Collector	4.1B	\$3.73	\$0.22
South	Valle De Oro	CHASE	FUERTE	SR 54	Regional	0.15	Light Collector	4.1B	\$7.06	\$1.06
South	Valle De Oro	CHASE	SR 54	JAMACHA ROAD	Regional	0.11	Light Collector	4.1B	\$7.06	\$0.78
South	Valle De Oro	FURY	AVOCADO	UNKNOWN	Regional	0.15	Light Collector	4.1B	\$7.06	\$1.06
South	Valle De Oro	FURY	UNKNOWN	RAPATEE	Regional	0.14	Light Collector	4.1B	\$7.06	\$0.99
South	Valle De Oro	FURY	RAPATEE	CALLE VERDE	Regional	0.08	Light Collector	4.1B	\$7.06	\$0.56
South	Valle De Oro	FURY	CALLE VERDE	SUNDOWN	Regional	0.13	Town Collector	4.1B	\$3.73	\$0.48
South	Valle De Oro	FURY	SUNDOWN	JULIE	Regional	0.25	Town Collector	4.1B	\$3.73	\$0.93
South	Valle De Oro	FURY	JULIE	UNKNOWN	Regional	0.32	Town Collector	4.1B	\$3.73	\$1.19
South	Valle De Oro	FURY	UNKNOWN	SR 54	Regional	0.10	Town Collector	4.1B	\$3.73	\$0.37
South	Valle De Oro	JAMACHA ROAD	HILTON HEAD	WILLOW GLEN	RAS	0.15	Major	6.2	\$7.63	\$1.14
South	Valle De Oro	JAMACHA ROAD	WILLOW GLEN	UNKNOWN	RAS	0.12	Major	6.2	\$7.63	\$0.92
South	Valle De Oro	JAMACHA ROAD	UNKNOWN	FURY	RAS	0.20	Major	6.2	\$7.63	\$1.53
South	Valle De Oro	JAMACHA ROAD	FURY	CUYAMACA COLLEGE E	RAS	0.14	Major	6.2	\$7.63	\$1.07
South	Valle De Oro	JAMACHA ROAD	CUYAMACA COLLEGE E	UNKNOWN	RAS	0.06	Major	6.2	\$7.63	\$0.46
South	Valle De Oro	JAMACHA ROAD	UNKNOWN	CUYAMACA COLLEGE W	RAS	0.09	Major	6.2	\$7.63	\$0.69
South	Valle De Oro	KENWOOD	RAMP SR-94 EB	RAMP SR-94 WB	Regional	0.03	Light Collector	4.1B	\$7.06	\$0.21
South	Valle De Oro	KENWOOD	RAMP SR-94 WB	CAMPO	Regional	0.10	Light Collector	4.1B	\$7.06	\$0.71
South	Valle De Oro	STEELE CANYON	WILLOW GLEN	Heatherwood	Regional	0.39	Light Collector	4.1B	\$7.06	\$2.75
North	Bonsall	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.09	Town Collector	2.1A	\$0.88	\$0.08
North	Bonsall	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.04	Town Collector	2.1A	\$0.88	\$0.04
North	Bonsall	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.15	Town Collector	2.1A	\$0.88	\$0.13
North	Bonsall	EAST VISTA	ORMSBY/GOPHER CANYON	STRAWBERRY HILL	RAS	0.22	Town Collector	4.1B	\$3.73	\$0.82
North	Bonsall	EAST VISTA	STRAWBERRY HILL	OSBORNE	RAS	0.44	Town Collector	4.1B	\$3.73	\$1.64
North	Bonsall	EAST VISTA	OSBORNE	UNKNOWN	RAS	0.06	Town Collector	4.1B	\$3.73	\$0.22
North	Bonsall	EAST VISTA	UNKNOWN	BARSBY	RAS	0.01	Town Collector	4.1B	\$3.73	\$0.04
North	Bonsall	GOPHER CANYON	ORMSBY	WHISPER TRACE	RAS	0.65	Light Collector	2.1A	\$4.09	\$2.66
North	Bonsall	GOPHER CANYON	WHISPER TRACE	VISTA VALLEY	RAS	0.34	Light Collector	2.1A	\$4.09	\$1.39
North	Bonsall	GOPHER CANYON	VISTA VALLEY	TWIN OAKS VALLEY	RAS	0.78	Light Collector	2.1A	\$4.09	\$3.19
North	Bonsall	GOPHER CANYON	TWIN OAKS VALLEY	DISNEY	RAS	0.04	Light Collector	2.1A	\$4.09	\$0.16
North	Bonsall	GOPHER CANYON	DISNEY	UNKNOWN	RAS	0.79	Light Collector	2.1A	\$4.09	\$3.23
North	Bonsall	GOPHER CANYON	UNKNOWN	RAMP I-15 SB	RAS	0.81	Light Collector	2.1A	\$4.09	\$3.32
North	Bonsall	MELROSE	UNKNOWN	SANTA FE	RAS	0.14	New	4.1A	\$22.70	\$3.18
North	Bonsall	MISSION	TRIPLE CROWN	BLDG 4949	RAS	0.22	Light Collector	4.2B	\$7.11	\$1.56
North	Bonsall	MISSION	BLDG 4949	RIVER VILLAGE MALL	RAS	0.11	Light Collector	4.2B	\$7.11	\$0.78
North	Bonsall	MISSION	EAST VISTA	CRANBERRY	State	0.55	Light Collector	6.2	\$23.94	\$13.17
North	Bonsall	MISSION	HOLLY	EAST VISTA	State	0.40	Light Collector	6.2	\$23.94	\$9.58
North	Bonsall	MISSION	NORTH RIVER	HOLLY	State	0.27	Light Collector	6.2	\$23.94	\$6.46

## Appendix B - Improvements Associated With Existing Deficiencies and/or External Growth

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+UG Required Classification	E+UG Improvement Unit Cost	E+UG Improvement Total Cost
North	Bonsall	MISSION	UNKNOWN	NORTH RIVER	State	0.52	Light Collector	6.2	\$23.94	\$12.45
North	Bonsall	MISSION	VIA GRENADA	UNKNOWN	State	0.45	Light Collector	6.2	\$23.94	\$10.77
North	Bonsall	MISSION	VALLEY RANCH	VIA GRENADA	State	0.10	Light Collector	6.2	\$23.94	\$2.39
North	Bonsall	MISSION	OLIVEHILL/CM DEL REY	VALLEY RANCH	State	0.73	Light Collector	6.2	\$23.94	\$17.48
North	Bonsall	MISSION	THOROUGHBRED	OLIVEHILL/CM DEL REY	State	0.18	Light Collector	6.2	\$23.94	\$4.31
North	Bonsall	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.30	Town Collector	4.1B	\$3.73	\$1.12
North	Bonsall	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.06	Town Collector	4.1B	\$3.73	\$0.22
North	Bonsall	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.06	Town Collector	4.1B	\$3.73	\$0.22
North	Bonsall	OLD 395	RAMP I-15 NB	LILAC RIDGE	RAS	0.14	Light Collector	2.1A	\$4.09	\$0.57
North	Bonsall	OLIVE HILL	ZONE CONNECTOR	UNKNOWN	Local	0.28	New	2.2C	\$12.76	\$3.57
North	Bonsall	OLIVE HILL	UNKNOWN	ZONE CONNECTOR	Local	0.30	New	2.2C	\$12.76	\$3.83
North	Bonsall	ORMSBY	GOPHER CANYON	UNKNOWN	Regional	0.28	Light Collector	4.1B	\$7.06	\$1.98
North	Bonsall	ORMSBY	UNKNOWN	FAIRVIEW	Regional	0.51	Light Collector	4.1B	\$7.06	\$3.60
North	Bonsall	ORMSBY	FAIRVIEW	EAST VISTA	Regional	0.41	Light Collector	4.1B	\$7.06	\$2.89
North	Bonsall	PALA	THOROUGHBRED	MISSION	State	0.28	Light Collector	6.2	\$23.94	\$6.70
North	Bonsall	PALA	MISSION	ZONE CONNECTOR	State	0.27	Light Collector	4.1A	\$11.38	\$3.07
North	Bonsall	PALA	ZONE CONNECTOR	RAMONA	State	0.03	Light Collector	4.1A	\$11.38	\$0.34
North	Bonsall	PALA	ZONE CONNECTOR	RAMONA	State	0.03	Light Collector	4.1A	\$11.38	\$0.34
North	Bonsall	PALA	ZONE CONNECTOR	RAMONA	State	0.37	Light Collector	4.1A	\$11.38	\$4.21
North	Bonsall	PALA	RAMONA	CALLE DE LA VUELTA	State	0.04	Light Collector	4.1A	\$11.38	\$0.46
North	Bonsall	PALA	RAMONA	CALLE DE LA VUELTA	State	0.04	Light Collector	4.1A	\$11.38	\$0.46
North	Bonsall	PALA	RAMONA	CALLE DE LA VUELTA	State	0.01	Light Collector	4.1A	\$11.38	\$0.11
North	Bonsall	PALA	CALLE DE LA VUELTA	VIA MONSERATE	State	0.05	Light Collector	4.1A	\$11.38	\$0.57
North	Fallbrook	CARLINA	EL PAISANO	MACADAMIA	RAS	0.02	Town Collector	4.2B	\$3.93	\$0.08
North	Fallbrook	CITRANO LN	PANKEY	PANKEY NEW	State	0.29	New	2.1E	\$12.27	\$3.56
North	Fallbrook	CLEMMENS	RECHE	MORRO	Local	0.12	New	2.2C	\$12.76	\$1.53
North	Fallbrook	COUSER CANYON	PALA	ZONE CONNECTOR	Local	0.86	Light Collector	2.2F	\$0.49	\$0.42
North	Fallbrook	COUSER CANYON	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.47	Light Collector	2.2F	\$0.49	\$0.23
North	Fallbrook	FALLBROOK	OLD STAGE	MANDARIN	Local	0.13	Light Collector	2.2B	\$3.39	\$0.44
North	Fallbrook	FALLBROOK	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.40	New	2.2C	\$12.76	\$5.10
North	Fallbrook	FALLBROOK	ZONE CONNECTOR	RECHE	Local	0.25	New	2.2C	\$12.76	\$3.19
North	Fallbrook	KNOTTWOOD/ENCINA	VIA ENCINAS	PALOMAR	Local	0.37	Light Collector	2.2F	\$0.49	\$0.18
North	Fallbrook	KNOTTWOOD/ENCINA	PALOMAR	ALTA VISTA	Local	0.48	Light Collector	2.2F	\$0.49	\$0.23
North	Fallbrook	KNOTTWOOD/ENCINA	ALTA VISTA	ZONE CONNECTOR	Local	0.65	New	2.2F	\$9.80	\$6.37
North	Fallbrook	KNOTTWOOD/ENCINA	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.70	New	2.2F	\$9.80	\$6.86
North	Fallbrook	KNOTTWOOD/ENCINA	ZONE CONNECTOR	GIRD	Local	0.63	New	2.2F	\$9.80	\$6.18
North	Fallbrook	MISSION	CARLINA	WILLOW GLEN	RAS	0.28	Town Collector	4.2B	\$3.93	\$1.10
North	Fallbrook	MISSION	WILLOW GLEN	LIVE OAK PARK	RAS	0.88	Town Collector	4.2B	\$3.93	\$3.45
North	Fallbrook	MISSION	LIVE OAK PARK	OLD 395	RAS	0.71	Town Collector	4.2B	\$3.93	\$2.79
North	Fallbrook	MISSION	OLD 395	RAMP I-15 SB	RAS	0.06	Light Collector	4.2B	\$7.11	\$0.43
North	Fallbrook	MISSION	RAMP I-15 SB	RAMP I-15 NB	RAS	0.15	Light Collector	4.2B	\$7.11	\$1.07
North	Fallbrook	MISSION	CARLINA	UNKNOWN	RAS	0.04	Town Collector	4.2B	\$3.93	\$0.16
North	Fallbrook	MISSION	UNKNOWN	HAMILTON	RAS	0.57	Town Collector	4.2B	\$3.93	\$2.24
North	Fallbrook	MISSION	HAMILTON	DAVIS	RAS	0.70	Town Collector	4.2B	\$3.93	\$2.75
North	Fallbrook	MISSION	DAVIS	STAGE COACH	RAS	0.18	Town Collector	4.2B	\$3.93	\$0.71

## Appendix B - Improvements Associated With Existing Deficiencies and/or External Growth

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+UG Required Classification	E+UG Improvement Unit Cost	E+UG Improvement Total Cost
North	Fallbrook	MISSION	STAGE COACH	GUM TREE	RAS	0.13	Town Collector	4.2B	\$3.93	\$0.51
North	Fallbrook	MISSION	GUM TREE	INDUSTRIAL	RAS	0.45	Town Collector	4.2B	\$3.93	\$1.77
North	Fallbrook	MISSION	INDUSTRIAL	SANTA MARGARITA	RAS	0.18	Town Collector	4.2B	\$3.93	\$0.71
North	Fallbrook	MISSION	UNKNOWN	OVERLAND	RAS	0.22	Light Collector	4.2B	\$7.11	\$1.56
North	Fallbrook	MISSION	OVERLAND	BIG OAK RANCH	RAS	0.26	Light Collector	4.2B	\$7.11	\$1.85
North	Fallbrook	MISSION	BIG OAK RANCH	GREEN CANYON	RAS	0.45	Light Collector	4.2B	\$7.11	\$3.20
North	Fallbrook	MISSION	GREEN CANYON	VIA ENCINAS	RAS	0.31	Light Collector	4.2B	\$7.11	\$2.20
North	Fallbrook	MISSION	VIA ENCINAS	HELLERS BEND	RAS	0.35	Light Collector	4.2B	\$7.11	\$2.49
North	Fallbrook	MISSION	HELLERS BEND	VIA MONSERATE	RAS	0.74	Light Collector	4.2B	\$7.11	\$5.26
North	Fallbrook	MISSION	VIA MONSERATE	BAJA MISSION	RAS	0.11	Light Collector	4.2B	\$7.11	\$0.78
North	Fallbrook	MISSION	BAJA MISSION	LA CANADA	RAS	0.32	Light Collector	4.2B	\$7.11	\$2.27
North	Fallbrook	MISSION	LA CANADA	TRIPLE CROWN	RAS	0.41	Light Collector	4.2B	\$7.11	\$2.91
North	Fallbrook	MISSION	TRIPLE CROWN	BLDG 4949	RAS	0.17	Light Collector	4.2B	\$7.11	\$1.21
North	Fallbrook	OLD 395	MISSION	RECHE	RAS	1.04	Light Collector	2.1A	\$4.09	\$4.26
North	Fallbrook	OLD 395	RECHE	CANONITA	RAS	0.72	Light Collector	2.1A	\$4.09	\$2.95
North	Fallbrook	OLD 395	TECALOTE	PALA MESA	RAS	1.09	Light Collector	2.1A	\$4.09	\$4.46
North	Fallbrook	OLD 395	PALA MESA	ZONE CONNECTOR	RAS	0.52	Light Collector	2.1A	\$4.09	\$2.13
North	Fallbrook	OLD 395	ZONE CONNECTOR	PUBLIC	RAS	0.30	Light Collector	4.2B	\$7.11	\$2.13
North	Fallbrook	OLD 395	PUBLIC	PALA	RAS	0.12	Light Collector	4.2B	\$7.11	\$0.85
North	Fallbrook	OLIVE HILL	MISSION	ZONE CONNECTOR	Local	0.15	Light Collector	2.2F	\$0.49	\$0.07
North	Fallbrook	OLIVE HILL	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.68	Light Collector	2.2F	\$0.49	\$0.33
North	Fallbrook	OLIVE HILL	ZONE CONNECTOR	WHITE HORSE	Local	0.55	Light Collector	2.2F	\$0.49	\$0.27
North	Fallbrook	OLIVE HILL	WHITE HORSE	LADERA VISTA	Local	0.50	Light Collector	2.2F	\$0.49	\$0.24
North	Fallbrook	OLIVE HILL	LADERA VISTA	BURMA	Local	0.24	Light Collector	2.2F	\$0.49	\$0.12
North	Fallbrook	OLIVE HILL	BURMA	RANCHO BONITO	Local	0.31	Light Collector	2.2F	\$0.49	\$0.15
North	Fallbrook	OLIVE HILL	RANCHO BONITO	RANCHO CAM	Local	0.36	Light Collector	2.2F	\$0.49	\$0.17
North	Fallbrook	OLIVE HILL	RANCHO CAM	ZONE CONNECTOR	Local	0.84	Light Collector	2.2F	\$0.49	\$0.41
North	Fallbrook	OLIVE HILL	ZONE CONNECTOR	UNKNOWN	Local	0.10	Light Collector	2.2F	\$0.49	\$0.05
North	Fallbrook	OLIVE HILL	ZONE CONNECTOR	UNKNOWN	Local	0.03	New	2.2C	\$12.76	\$0.38
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.06	Light Collector	4.1A	\$11.38	\$0.68
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.04	Light Collector	4.1A	\$11.38	\$0.46
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.12	Light Collector	4.1A	\$11.38	\$1.37
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.02	Light Collector	4.1A	\$11.38	\$0.23
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.02	Light Collector	4.1A	\$11.38	\$0.23
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.05	Light Collector	4.1A	\$11.38	\$0.57
North	Fallbrook	PALA	CALLE DE LA VUELTA	VIA MONSERATE	State	0.35	Light Collector	4.1A	\$11.38	\$3.98
North	Fallbrook	PALA	CALLE DE LA VUELTA	VIA MONSERATE	State	0.03	Light Collector	4.1A	\$11.38	\$0.34
North	Fallbrook	PALA	VIA MONSERATE	UNKNOWN	State	0.48	Light Collector	4.1A	\$11.38	\$5.46
North	Fallbrook	PALA	UNKNOWN	LIMBER PINE	State	0.07	Light Collector	4.1A	\$11.38	\$0.80
North	Fallbrook	PALA	LIMBER PINE	GIRD	State	0.08	Light Collector	4.1A	\$11.38	\$0.91
North	Fallbrook	PALA	GIRD	UNKNOWN	State	0.95	Light Collector	4.1A	\$11.38	\$10.81
North	Fallbrook	PALA	UNKNOWN	ZONE CONNECTOR	State	0.78	Light Collector	4.1A	\$11.38	\$8.87
North	Fallbrook	PALA	ZONE CONNECTOR	OLD 395	State	0.56	Light Collector	4.1A	\$11.38	\$6.37
North	Fallbrook	PALA	OLD 395	RAMP I-15 SB	State	0.15	Light Collector	4.1A	\$11.38	\$1.71
North	Fallbrook	PALA	PALA-NEW	RICE CANYON	State	0.67	Light Collector	4.1B	\$7.06	\$4.73

## Appendix B - Improvements Associated With Existing Deficiencies and/or External Growth

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+UG Required Classification	E+UG Improvement Unit Cost	E+UG Improvement Total Cost
North	Fallbrook	PALA	RICE CANYON	COUSER CANYON	State	0.12	Light Collector	4.1B	\$7.06	\$0.85
North	Fallbrook	PALA MESA	GIRD	UNKNOWN	Local	0.27	Light Collector	2.2F	\$0.49	\$0.13
North	Fallbrook	PALA MESA	UNKNOWN	UNKNOWN	Local	0.65	New	2.2F	\$9.80	\$6.37
North	Fallbrook	PALA MESA	UNKNOWN	WILT	Local	0.34	New	2.2F	\$9.80	\$3.33
North	Fallbrook	PALA MESA	WILT	DAISY	Local	0.34	Light Collector	2.2F	\$0.49	\$0.16
North	Fallbrook	PALA MESA	DAISY	OLD 395	Local	0.47	Light Collector	2.2F	\$0.49	\$0.23
North	Fallbrook	PALA MESA	OLD 395	PANKEY	Local	0.21	New	2.2E	\$12.75	\$2.68
North	Fallbrook	PALANEW	PANKEY NEW	PALA	State	0.50	Light Collector	4.1B	\$7.06	\$3.53
North	Fallbrook	PANKEY	PALA MESA	CITRANO LN	Local	0.33	New	2.2E	\$12.75	\$4.21
North	Fallbrook	PANKEY NEW	PANKEY	ZONE CONNECTOR	Regional	0.49	New	2.2E	\$12.75	\$6.25
North	Fallbrook	PANKEY NEW	ZONE CONNECTOR	3P WAY	Regional	0.32	New	2.2E	\$12.75	\$4.08
North	Fallbrook	PANKEY NEW	3P WAY	ZONE CONNECTOR	Regional	0.32	New	2.2E	\$12.75	\$4.08
North	Fallbrook	PANKEY NEW	ZONE CONNECTOR	CITRANO LN	Regional	0.19	New	2.2E	\$12.75	\$2.42
North	Fallbrook	PANKEY NEW	CITRANO LN	PALA	Regional	0.17	New	2.2E	\$12.75	\$2.17
North	Fallbrook	PEPPER TREE	MISSION	ZONE CONNECTOR	Local	0.11	New	2.2E	\$12.75	\$1.40
North	Fallbrook	PEPPER TREE	ZONE CONNECTOR	UNKNOWN	Local	0.39	New	2.2E	\$12.75	\$4.97
North	Fallbrook	PEPPER TREE	UNKNOWN	MC DONALD	Local	0.25	New	2.2E	\$12.75	\$3.19
North	Fallbrook	PEPPER TREE	CALAVO	STAGE COACH	Local	0.25	New	2.2E	\$12.75	\$3.19
North	Fallbrook	RECHE	PALOMINO	CLEMMENS	Local	0.33	New	2.2C	\$12.76	\$4.21
North	Fallbrook	RECHE	MORRO	MC DONALD	Local	0.25	New	2.2C	\$12.76	\$3.19
North	Fallbrook	RECHE	MC DONALD	CALAVO	Local	0.25	New	2.2C	\$12.76	\$3.19
North	Fallbrook	RECHE	CALAVO	PALOMINO	Local	0.12	New	2.2C	\$12.76	\$1.53
North	Fallbrook	RICE CANYON	ZONE CONNECTOR	HUNTLEY	Local	0.33	Light Collector	2.2F	\$0.49	\$0.16
North	Fallbrook	RICE CANYON	HUNTLEY	ZONE CONNECTOR	Local	0.59	Light Collector	2.2F	\$0.49	\$0.29
North	Fallbrook	RICE CANYON	ZONE CONNECTOR	PALA	Local	0.53	Light Collector	2.2F	\$0.49	\$0.26
North	Fallbrook	VIA ENCINAS	MISSION	UNKNOWN	Local	0.21	Light Collector	2.2F	\$0.49	\$0.10
North	Fallbrook	VIA ENCINAS	UNKNOWN	KNOTTWOOD/ENCINA	Local	0.17	Light Collector	2.2F	\$0.49	\$0.08
North	Fallbrook	YUCCA	ZONE CONNECTOR	LIVE OAK PARK	Local	0.92	Light Collector	2.2F	\$0.49	\$0.45
North	Fallbrook	YUCCA	RECHE	ZONE CONNECTOR	Local	0.77	Light Collector	2.2F	\$0.49	\$0.37
North	North County Metro	AVNDA DEL DIABLO	ZONE CONNECTOR	COUNTRY CLUB	Local	0.13	New	2.1C	\$12.27	\$1.60
North	North County Metro	AVNDA DEL DIABLO	HARMONY GROVE	ZONE CONNECTOR	Local	0.14	New	2.1C	\$12.27	\$1.72
North	North County Metro	AVNDA DEL DIABLO	CITRACADO	HARMONY GROVE	Local	0.25	New	2.1C	\$12.27	\$3.07
North	North County Metro	BEAR VALLEY	BOYLE	BIRCH	RAS	0.26	Light Collector	4.1B	\$7.06	\$1.83
North	North County Metro	BEAR VALLEY	BIRCH	IDAHO	RAS	0.15	Light Collector	4.1B	\$7.06	\$1.06
North	North County Metro	BEAR VALLEY	IDAHO	LANDAVO	RAS	0.11	Light Collector	4.1B	\$7.06	\$0.78
North	North County Metro	BEAR VALLEY	LANDAVO	SUBURBAN HILLS	RAS	0.14	Light Collector	4.1B	\$7.06	\$0.99
North	North County Metro	BEAR VALLEY	SUBURBAN HILLS	SAN PASQUAL VALLEY	RAS	0.21	Light Collector	4.1B	\$7.06	\$1.48
North	North County Metro	BEAR VALLEY	SAN PASQUAL VALLEY	ELDORADO	RAS	0.42	Light Collector	4.1A	\$11.38	\$4.78
North	North County Metro	BEAR VALLEY	ELDORADO	ENCINO	RAS	0.21	Light Collector	4.1B	\$7.06	\$1.48
North	North County Metro	BEAR VALLEY	SUNSET	OLD SPANISH	RAS	0.09	Light Collector	4.1B	\$7.06	\$0.64
North	North County Metro	BEAR VALLEY	SUNSET	OLD SPANISH	RAS	0.03	Light Collector	4.1B	\$7.06	\$0.21
North	North County Metro	BEAR VALLEY	SUNSET	OLD SPANISH	RAS	0.06	Light Collector	4.1B	\$7.06	\$0.42
North	North County Metro	BUENA CREEK	SYCAMORE	SYCAMORE	RAS	0.02	Light Collector	4.1B	\$7.06	\$0.14
North	North County Metro	BUENA CREEK	SYCAMORE	HARTWRIGHT	RAS	0.03	Light Collector	4.1B	\$7.06	\$0.21
North	North County Metro	BUENA CREEK	HARTWRIGHT	ZONE CONNECTOR	RAS	0.70	Light Collector	4.1B	\$7.06	\$4.94

## Appendix B - Improvements Associated With Existing Deficiencies and/or External Growth

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+UG Required Classification	E+UG Improvement Unit Cost	E+UG Improvement Total Cost
North	North County Metro	BUENA CREEK	ZONE CONNECTOR	LONE OAK	RAS	0.17	Light Collector	4.1B	\$7.06	\$1.20
North	North County Metro	BUENA CREEK	LONE OAK	MONTE VISTA	RAS	0.25	Light Collector	4.1B	\$7.06	\$1.76
North	North County Metro	BUENA CREEK	MONTE VISTA	SUGARBUSH	RAS	0.61	Light Collector	4.1B	\$7.06	\$4.30
North	North County Metro	BUENA CREEK	SUGARBUSH	HOLLYBERRY	RAS	0.08	Light Collector	4.1B	\$7.06	\$0.56
North	North County Metro	BUENA CREEK	HOLLYBERRY	FREDAS HILL	RAS	0.28	Light Collector	4.1B	\$7.06	\$1.98
North	North County Metro	BUENA CREEK	FREDAS HILL	LAS POSAS	RAS	0.50	Light Collector	4.1B	\$7.06	\$3.53
North	North County Metro	BUENA CREEK	LAS POSAS	TAMARA	RAS	0.43	Town Collector	4.1B	\$3.73	\$1.60
North	North County Metro	BUENA CREEK	TAMARA	SUNSHINE MTN	RAS	0.38	Town Collector	4.1B	\$3.73	\$1.42
North	North County Metro	BUENA CREEK	SUNSHINE MTN	TWIN OAKS VALLEY	RAS	0.12	Town Collector	4.1B	\$3.73	\$0.45
North	North County Metro	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.01	Town Collector	2.1A	\$0.88	\$0.01
North	North County Metro	CHAMPAGNE	UNKNOWN	LAWRENCE WELK	RAS	0.67	Town Collector	2.1A	\$0.88	\$0.59
North	North County Metro	CHAMPAGNE	LAWRENCE WELK	UNKNOWN	RAS	0.17	Town Collector	4.1B	\$3.73	\$0.63
North	North County Metro	CHAMPAGNE	UNKNOWN	UNKNOWN	RAS	0.18	Town Collector	4.1B	\$3.73	\$0.67
North	North County Metro	CHAMPAGNE	UNKNOWN	UNKNOWN	RAS	0.54	Town Collector	4.1B	\$3.73	\$2.01
North	North County Metro	CHAMPAGNE	UNKNOWN	MOUNTAIN MEADOW	RAS	1.81	Town Collector	4.1B	\$3.73	\$6.75
North	North County Metro	CITRACADO	KAUANA LOA	AVNDA DEL DIABLO	RAS	0.10	Light Collector	2.1A	\$4.09	\$0.41
North	North County Metro	CITRACADO	SCENIC TL	EUCA LYPTUS	RAS	0.25	Light Collector	2.1A	\$4.09	\$1.02
North	North County Metro	CITRACADO	EUCA LYPTUS	BERNARDO	RAS	0.26	Light Collector	2.1A	\$4.09	\$1.06
North	North County Metro	CITRACADO	EUCA LYPTUS	BERNARDO	RAS	0.24	Light Collector	2.1A	\$4.09	\$0.98
North	North County Metro	CITRACADO	BERNARDO	RAMP I-15 SB	RAS	0.12	Light Collector	4.1B	\$7.06	\$0.85
North	North County Metro	CLOVERDALE	UNKNOWN	ZONE CONNECTOR	Local	0.02	New	2.2E	\$12.75	\$0.25
North	North County Metro	DEER SPRINGS	MULBERRY	MARILYN	RAS	0.17	Light Collector	6.2	\$23.94	\$4.07
North	North County Metro	DEER SPRINGS	MARILYN	UNKNOWN	RAS	0.20	Light Collector	6.2	\$23.94	\$4.79
North	North County Metro	DEER SPRINGS	UNKNOWN	VISTA MERRIAM	RAS	0.17	Light Collector	6.2	\$23.94	\$4.07
North	North County Metro	DEER SPRINGS	VISTA MERRIAM	ZONE CONNECTOR	RAS	0.33	Light Collector	6.2	\$23.94	\$7.90
North	North County Metro	DEER SPRINGS	ZONE CONNECTOR	ZONE CONNECTOR	RAS	0.36	Light Collector	6.2	\$23.94	\$8.62
North	North County Metro	DEER SPRINGS	ZONE CONNECTOR	ZONE CONNECTOR	RAS	0.52	Light Collector	6.2	\$23.94	\$12.45
North	North County Metro	DEER SPRINGS	ZONE CONNECTOR	MESA ROCK	RAS	0.23	Light Collector	6.2	\$23.94	\$5.51
North	North County Metro	DEER SPRINGS	MESA ROCK	RAMP I-15 SB	RAS	0.05	Light Collector	6.2	\$23.94	\$1.20
North	North County Metro	LAKE WOHLFORD	OAKVALE	FOXLEY	RAS	0.35	Light Collector	2.2F	\$0.49	\$0.17
North	North County Metro	LAKE WOHLFORD	OAKVALE	FOXLEY	RAS	0.46	Light Collector	2.2F	\$0.49	\$0.22
North	North County Metro	LAKE WOHLFORD	ZONE CONNECTOR	OAKVALE	RAS	0.73	Light Collector	2.2F	\$0.49	\$0.35
North	North County Metro	LAKE WOHLFORD	GUEJITO	ZONE CONNECTOR	RAS	1.84	Light Collector	2.2F	\$0.49	\$0.89
North	North County Metro	LAKE WOHLFORD	WOODS VALLEY	GUEJITO	RAS	0.10	Light Collector	2.2F	\$0.49	\$0.05
North	North County Metro	LAS POSAS	BUENA CREEK	LA CIENEGA	RAS	0.46	New	2.2C	\$12.76	\$5.87
North	North County Metro	LAS POSAS	LA CIENEGA	ZONE CONNECTOR	RAS	0.53	New	2.2C	\$12.76	\$6.76
North	North County Metro	MAR VISTA	BUENA VISTA DR	CANNON	RAS	0.28	New	2.2E	\$12.75	\$3.57
North	North County Metro	MONTE VISTA	FOOTHILL	LA RUEDA	Regional	0.23	Light Collector	4.1B	\$7.06	\$1.62
North	North County Metro	MONTE VISTA	LA RUEDA	BUENA CREEK	Regional	0.32	Light Collector	4.1B	\$7.06	\$2.26
North	North County Metro	MOUNTAIN MEADOW	RAMP I-15 SB	RAMP I-15 NB	RAS	0.15	Light Collector	4.1B	\$7.06	\$1.06
North	North County Metro	MOUNTAIN MEADOW	RAMP I-15 NB	CHAMPAGNE	RAS	0.07	Light Collector	4.1B	\$7.06	\$0.49
North	North County Metro	MOUNTAIN MEADOW	LEGEND ROCK	NORTH BROADWAY	RAS	1.28	New	2.1D	\$12.27	\$15.71
North	North County Metro	MOUNTAIN MEADOW	NORTH BROADWAY	ZONE CONNECTOR	RAS	0.58	New	2.1D	\$12.27	\$7.12
North	North County Metro	MOUNTAIN MEADOW	ZONE CONNECTOR	UNKNOWN	RAS	0.15	New	2.1D	\$12.27	\$1.84
North	North County Metro	MTN VIEW	ZONE CONNECTOR	CLOVERDALE	Local	0.49	New	2.2E	\$12.75	\$6.25

## Appendix B - Improvements Associated With Existing Deficiencies and/or External Growth

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+UG Required Classification	E+UG Improvement Unit Cost	E+UG Improvement Total Cost
North	North County Metro	N CENTRE CITY	JESMOND DENE	MESA ROCK	RAS	1.26	Light Collector	4.1B	\$7.06	\$8.89
North	North County Metro	N CENTRE CITY	MESA ROCK	IVY DELL	RAS	0.35	Light Collector	4.1B	\$7.06	\$2.47
North	North County Metro	N CENTRE CITY	IVY DELL	CENTRE CITY	RAS	0.26	Light Collector	4.1B	\$7.06	\$1.83
North	North County Metro	NORDAHL	NUTMEG/NORDAHL	ZONE CONNECTOR	RAS	0.17	Light Collector	4.1B	\$7.06	\$1.20
North	North County Metro	NORDAHL	ZONE CONNECTOR	ROCK SPRINGS	RAS	0.28	Light Collector	4.1B	\$7.06	\$1.98
North	North County Metro	NORDAHL	ROCK SPRINGS	KNOB HILL	RAS	0.31	Light Collector	4.1B	\$7.06	\$2.19
North	North County Metro	NORTH BROADWAY	MOUNTAIN MEADOW	REIDY CANYON	Local	0.24	New	2.1D	\$12.27	\$2.95
North	North County Metro	ROCK SPRINGS	ZONE CONNECTOR	BENNETT	Regional	0.01	Light Collector	4.1B	\$7.06	\$0.07
North	North County Metro	ROCK SPRINGS	BENNETT	REES	Regional	0.26	Light Collector	4.1B	\$7.06	\$1.83
North	North County Metro	ROCK SPRINGS	REES	UNNAMED 9F	Regional	0.23	Light Collector	4.1B	\$7.06	\$1.62
North	North County Metro	ROCK SPRINGS	UNNAMED 9F	NORDAHL	Regional	0.20	Light Collector	4.1B	\$7.06	\$1.41
North	North County Metro	ROCK SPRINGS	DEODAR	MONTIEL	Regional	0.08	Light Collector	2.1A	\$4.09	\$0.33
North	North County Metro	ROCK SPRINGS	MONTIEL	SEVEN OAKES	Regional	0.05	Light Collector	2.1A	\$4.09	\$0.20
North	North County Metro	ROCK SPRINGS	SEVEN OAKES	BORDEN	Regional	0.05	Light Collector	2.1A	\$4.09	\$0.20
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.17	Town Collector	4.1B	\$3.73	\$0.63
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.09	Town Collector	4.1B	\$3.73	\$0.34
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.04	Town Collector	4.1B	\$3.73	\$0.15
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.03	Town Collector	4.1B	\$3.73	\$0.11
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.09	Town Collector	4.1B	\$3.73	\$0.34
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.08	Town Collector	4.1B	\$3.73	\$0.30
North	North County Metro	SAN PASQUAL VALLEY	BIRCH/RANRIDO	IDAHO	State	0.42	Light Collector	4.1B	\$7.06	\$2.96
North	North County Metro	SAN PASQUAL VALLEY	IDAHO	17TH	State	0.34	Light Collector	4.1B	\$7.06	\$2.40
North	North County Metro	SMILAX	OLEANDER	MIMOSA	Regional	0.31	New	4.1B	\$20.56	\$6.37
North	North County Metro	SOUTH SANTA FE	MONTGOMERY	ZONE CONNECTOR	RAS	0.45	Light Collector	4.1B	\$7.06	\$3.18
North	North County Metro	SOUTH SANTA FE	ZONE CONNECTOR	YORK	RAS	0.05	Light Collector	4.1B	\$7.06	\$0.35
North	North County Metro	SOUTH SANTA FE	YORK	WOODLAND	RAS	0.06	Light Collector	4.1B	\$7.06	\$0.42
North	North County Metro	SOUTH SANTA FE	WOODLAND	TIBER	RAS	0.09	Light Collector	4.1B	\$7.06	\$0.64
North	North County Metro	SOUTH SANTA FE	TIBER	ROBELINI	RAS	0.18	Light Collector	4.1B	\$7.06	\$1.27
North	North County Metro	SOUTH SANTA FE	ROBELINI	BUENA CREEK	RAS	0.08	Light Collector	4.1B	\$7.06	\$0.56
North	North County Metro	SOUTH SANTA FE	BUENA CREEK	ZONE CONNECTOR	RAS	0.07	Light Collector	4.1B	\$7.06	\$0.49
North	North County Metro	SOUTH SANTA FE	ZONE CONNECTOR	PALMYRA	RAS	0.11	Light Collector	4.1B	\$7.06	\$0.78
North	North County Metro	SOUTH SANTA FE	PALMYRA	AZALEA	RAS	0.20	Light Collector	4.1B	\$7.06	\$1.41
North	North County Metro	SOUTH SANTA FE	AZALEA	POINSETTIA	RAS	0.14	Light Collector	4.1B	\$7.06	\$0.99
North	North County Metro	SOUTH SANTA FE	POINSETTIA	2430/2503	RAS	0.19	Light Collector	4.1B	\$7.06	\$1.34
North	North County Metro	SOUTH SANTA FE	2430/2503	SMILAX	RAS	0.11	Light Collector	4.1B	\$7.06	\$0.78
North	North County Metro	SYCAMORE	BUENA CREEK	UNKNOWN	RAS	0.11	Light Collector	6.2	\$23.94	\$2.63
North	North County Metro	SYCAMORE	UNKNOWN	ROBELINI	RAS	0.14	Light Collector	6.2	\$23.94	\$3.35
North	North County Metro	SYCAMORE	ROBELINI	LOBELIA	RAS	0.01	Light Collector	6.2	\$23.94	\$0.24
North	North County Metro	VALLEY	CLAUDAN	VIA RANCHO	RAS	0.05	Light Collector	4.1A	\$11.38	\$0.57
North	North County Metro	VIA RANCHO	FELICITA	MONTESANO	RAS	0.13	Light Collector	4.1B	\$7.06	\$0.92
North	North County Metro	VIA RANCHO	OLD PASQUAL	VIENTO VALLE	Regional	0.28	Light Collector	2.1A	\$4.09	\$1.15
North	North County Metro	VIA RANCHO	VIENTO VALLE	SAN PASQUAL	Regional	0.07	Light Collector	2.1A	\$4.09	\$0.29
North	Pala-Pauma	COLE GRADE NEW	SR-76	UNKNOWN	Local	1.09	New	2.3B	\$12.00	\$13.08
North	Pala-Pauma	COLE GRADE NEW	UNKNOWN	SR-76	Local	1.04	New	2.3B	\$12.00	\$12.48
North	Pendleton-De Luz	CHRISTIANITOS	CAMP TALEGA	TENAJA TRUCK	Local	0.17	New	2.2E	\$12.75	\$2.17

## Appendix B - Improvements Associated With Existing Deficiencies and/or External Growth

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+UG Required Classification	E+UG Improvement Unit Cost	E+UG Improvement Total Cost
North	San Dieguito	EL APAJO	VIA DE LA VALLE	VIA DE SANTA FE	Local	0.33	New	2.1A	\$13.97	\$4.61
North	San Dieguito	EL CAMINO DEL NORTE	VAL SERENO	LAS MONTANAS	Local	0.62	Light Collector	2.2F	\$0.49	\$0.30
North	San Dieguito	EL CAMINO DEL NORTE	LAS MONTANAS	VIA DE SUEÑO	Local	0.19	Light Collector	2.2F	\$0.49	\$0.09
North	San Dieguito	EL CAMINO DEL NORTE	VIA DE SUEÑO	VIA DE FORTUNA	Local	0.17	Light Collector	2.2F	\$0.49	\$0.08
North	San Dieguito	EL CAMINO DEL NORTE	VIA DE FORTUNA	VIA ROSWITHA	Local	0.41	Light Collector	2.2F	\$0.49	\$0.20
North	San Dieguito	EL CAMINO DEL NORTE	VIA ROSWITHA	ZONE CONNECTOR	Local	0.14	Light Collector	2.2F	\$0.49	\$0.07
North	San Dieguito	EL CAMINO DEL NORTE	ZONE CONNECTOR	LAGO VISTA	Local	0.61	Light Collector	2.2F	\$0.49	\$0.30
North	San Dieguito	EL CAMINO DEL NORTE	LAGO VISTA	LAGO LINDO	Local	0.07	Light Collector	2.2F	\$0.49	\$0.03
North	San Dieguito	EL CAMINO DEL NORTE	LAGO LINDO	ALISO CANYON	Local	0.11	Light Collector	2.2F	\$0.49	\$0.05
North	San Dieguito	EL CAMINO DEL NORTE	ALISO CANYON	RANCHO CIELO	Local	0.14	Light Collector	2.2F	\$0.49	\$0.07
North	San Dieguito	EL CAMINO DEL NORTE	RANCHO CIELO	UNKNOWN	Local	0.18	Light Collector	2.2F	\$0.49	\$0.09
North	San Dieguito	EL CAMINO DEL NORTE	UNKNOWN	DEL DIOS ROUNDABOUT	Local	0.24	Light Collector	2.2F	\$0.49	\$0.12
North	San Dieguito	EL CAMINO DEL NORTE	DEL DIOS ROUNDABOUT	DEL DIOS/PS DELICIAS	Local	0.06	Light Collector	2.2F	\$0.49	\$0.03
North	San Dieguito	EL CAMINO REAL	LA NORIA	UNKNOWN	Local	0.83	Light Collector	2.2F	\$0.49	\$0.40
North	San Dieguito	EL CAMINO REAL	LA NORIA	UNKNOWN	Local	0.09	Light Collector	2.2F	\$0.49	\$0.04
North	San Dieguito	EL CAMINO REAL	LA NORIA	UNKNOWN	Local	0.08	Light Collector	2.2F	\$0.49	\$0.04
North	San Dieguito	EL CAMINO REAL	UNKNOWN	HIGHLAND	Local	0.34	Light Collector	2.2F	\$0.49	\$0.16
North	San Dieguito	EL CAMINO REAL	HIGHLAND	LINEA DEL CIELO	Local	0.69	Light Collector	2.2F	\$0.49	\$0.33
North	San Dieguito	EL CAMINO REAL	LINEA DEL CIELO	ZONE CONNECTOR	Local	0.48	Light Collector	2.2F	\$0.49	\$0.23
North	San Dieguito	EL CAMINO REAL	ZONE CONNECTOR	LADERA SARINA	Local	0.31	New	2.2F	\$9.80	\$3.04
North	San Dieguito	EL CAMINO REAL	LADERA SARINA	RANCHO DEL MADISON	Local	0.35	Light Collector	2.2F	\$0.49	\$0.17
North	San Dieguito	LA BAJADA	EL MIRLO	LA NORIA	Local	0.29	Light Collector	2.2F	\$0.49	\$0.14
North	San Dieguito	LA BAJADA	LA NORIA	LOS MORROS	Local	0.24	Light Collector	2.2F	\$0.49	\$0.12
North	San Dieguito	LA GRANADA	LOS MORROS	SAN ELIJO	Local	0.14	Light Collector	2.2F	\$0.49	\$0.07
North	San Dieguito	LA GRANADA	SAN ELIJO	RAMBLA DE LAS FLORES	Local	0.03	Light Collector	2.2F	\$0.49	\$0.01
North	San Dieguito	LA GRANADA	RAMBLA DE LAS FLORES	SOBRE LOS CERROS	Local	0.86	Light Collector	2.2F	\$0.49	\$0.42
North	San Dieguito	LA GRANADA	SOBRE LOS CERROS	AVNDA DE ACACIAS	Local	0.48	Light Collector	2.2F	\$0.49	\$0.23
North	San Dieguito	LA GRANADA	AVNDA DE ACACIAS	PASEO DELICIAS	Local	0.17	Light Collector	2.2F	\$0.49	\$0.08
North	San Dieguito	LA NORIA	LA BAJADA	EL PUENTE	Local	0.78	Light Collector	2.2F	\$0.49	\$0.38
North	San Dieguito	LINEA DEL CIELO	PASEO DELICIAS	EL SECRETO	Local	0.59	Light Collector	2.2F	\$0.49	\$0.29
North	San Dieguito	LINEA DEL CIELO	EL SECRETO	ZONE CONNECTOR	Local	0.39	Light Collector	2.2F	\$0.49	\$0.19
North	San Dieguito	LINEA DEL CIELO	ZONE CONNECTOR	RAMBLA DE LAS FLORES	Local	0.53	Light Collector	2.2F	\$0.49	\$0.26
North	San Dieguito	LINEA DEL CIELO	RAMBLA DE LAS FLORES	LAS PLANIDERAS	Local	0.57	Light Collector	2.2F	\$0.49	\$0.28
North	San Dieguito	LINEA DEL CIELO	LAS PLANIDERAS	EL CAMINO REAL	Local	0.11	Light Collector	2.2F	\$0.49	\$0.05
North	San Dieguito	LINEA DEL CIELO	EL CAMINO REAL	LOMAS SANTA FE	Local	0.40	Light Collector	2.2F	\$0.49	\$0.19
North	San Dieguito	LOMAS SANTA FE	HIGHLAND	SUN VALLEY	Local	0.10	Light Collector	2.2F	\$0.49	\$0.05
North	San Dieguito	LOMAS SANTA FE	SUN VALLEY	LINEA DEL CIELO	Local	0.45	Light Collector	2.2F	\$0.49	\$0.22
North	San Dieguito	LOS MORROS	LA ENTRADA	LA GRANADA	Local	0.32	Light Collector	2.2F	\$0.49	\$0.16
North	San Dieguito	PASEO DELICIAS	EL CAMINO DEL NORTE	DEL DIOS ROUNDABOUT	RAS	0.06	Light Collector	2.2A	\$4.89	\$0.29
North	San Dieguito	PASEO DELICIAS	DEL DIOS ROUNDABOUT	DEL DIOS ROUNDABOUT	RAS	0.44	Light Collector	2.2A	\$4.89	\$2.15
North	San Dieguito	PASEO DELICIAS	DEL DIOS ROUNDABOUT	LAVALLE PLATEADA	RAS	0.49	Light Collector	2.2A	\$4.89	\$2.40
North	San Dieguito	PASEO DELICIAS	LAVALLE PLATEADA	DEL DIOS ROUNDABOUT	RAS	0.06	Light Collector	2.2A	\$4.89	\$0.29
North	San Dieguito	PASEO DELICIAS	DEL DIOS ROUNDABOUT	LA GRANADA	RAS	0.20	Light Collector	2.2A	\$4.89	\$0.98
North	San Dieguito	RANCHO SANTA FE	ZONE CONNECTOR	EL MIRLO	Local	0.17	Light Collector	2.2F	\$0.49	\$0.08
North	San Dieguito	SAN DIEGUITO	VIA DOS VALLES	EL APAJO	Local	0.74	Light Collector	2.1A	\$4.09	\$3.03

## Appendix B - Improvements Associated With Existing Deficiencies and/or External Growth

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+UG Required Classification	E+UG Improvement Unit Cost	E+UG Improvement Total Cost
North	San Dieguito	SAN DIEGUITO	ZONE CONNECTOR	VIA DOS VALLES	Local	0.85	Light Collector	2.1A	\$4.09	\$3.48
North	San Dieguito	VIA DE LA VALLE		EL CAMINO REAL	RAS	0.14	Light Collector	2.1B	\$3.68	\$0.51
North	Valley Center	ANTHONY	WEST LILAC	UNKNOWN	Local	0.48	New	2.2C	\$12.76	\$6.12
North	Valley Center	ANTHONY	UNKNOWN	UNKNOWN	Local	1.28	New	2.2C	\$12.76	\$16.33
North	Valley Center	ANTHONY	UNKNOWN	LILAC	Local	0.81	New	2.2C	\$12.76	\$10.33
North	Valley Center	CHAMPAGNE	GOPHER CANYON	OLD CASTLE	RAS	0.16	Light Collector	4.1B	\$7.06	\$1.13
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.03	Town Collector	2.1A	\$0.88	\$0.03
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.05	Town Collector	2.1A	\$0.88	\$0.04
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.05	Town Collector	2.1A	\$0.88	\$0.04
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.04	Town Collector	2.1A	\$0.88	\$0.04
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.07	Town Collector	2.1A	\$0.88	\$0.06
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.01	Town Collector	2.1A	\$0.88	\$0.01
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.09	Town Collector	2.1A	\$0.88	\$0.08
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.02	Town Collector	2.1A	\$0.88	\$0.02
North	Valley Center	CYPRESS	LILAC	ZONE CONNECTOR	Regional	0.39	Light Collector	4.2B	\$7.11	\$2.77
North	Valley Center	CYPRESS	ZONE CONNECTOR	CHARLAN	Regional	0.38	Light Collector	4.2B	\$7.11	\$2.70
North	Valley Center	GLEN	UNKNOWN	ANTHONY	Local	1.42	New	2.2C	\$12.76	\$18.12
North	Valley Center	GLEN	UNKNOWN	UNKNOWN	Local	1.01	New	2.2C	\$12.76	\$12.89
North	Valley Center	GLEN	UNKNOWN	UNKNOWN	Local	0.24	New	2.2C	\$12.76	\$3.06
North	Valley Center	GLEN	PAUMA HEIGHTS	UNKNOWN	Local	0.87	New	2.2C	\$12.76	\$11.10
North	Valley Center	LILAC	CYPRESS	VALLEY CENTER	Regional	0.15	Light Collector	4.2B	\$7.11	\$1.07
North	Valley Center	MOUNTAIN MEADOW	ZONE CONNECTOR	UNKNOWN	RAS	0.43	New	2.1D	\$12.27	\$5.28
North	Valley Center	MOUNTAIN MEADOW	UNKNOWN	UNKNOWN	RAS	0.60	New	2.1D	\$12.27	\$7.36
North	Valley Center	MOUNTAIN MEADOW	UNKNOWN	UNKNOWN	RAS	0.06	New	2.1D	\$12.27	\$0.74
North	Valley Center	MOUNTAIN MEADOW	UNKNOWN	UNKNOWN	RAS	0.43	New	2.1D	\$12.27	\$5.28
North	Valley Center	MOUNTAIN MEADOW	UNKNOWN	UNKNOWN	RAS	0.01	New	2.1D	\$12.27	\$0.12
North	Valley Center	MOUNTAIN MEADOW	UNKNOWN	FRACE	RAS	0.28	New	2.1D	\$12.27	\$3.44
North	Valley Center	MOUNTAIN MEADOW	FRACE	ZONE CONNECTOR	RAS	0.72	New	2.1D	\$12.27	\$8.84
North	Valley Center	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.15	Town Collector	4.1B	\$3.73	\$0.56
North	Valley Center	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.08	Town Collector	4.1B	\$3.73	\$0.30
North	Valley Center	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.05	Town Collector	4.1B	\$3.73	\$0.19
North	Valley Center	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.11	Town Collector	4.1B	\$3.73	\$0.41
North	Valley Center	OLD 395	CIRCLE R	GOPHER CANYON	RAS	0.15	Light Collector	4.1B	\$7.06	\$1.06
North	Valley Center	TURTLE ROCK	BALLARENA	COLE GRADE	Local	0.14	New	2.3B	\$12.00	\$1.68
North	Valley Center	VALLEY CENTER	VESPER	COLE GRADE	RAS	0.21	Light Collector	4.2A	\$10.97	\$2.30
North	Valley Center	VILLA SIERRA	UNKNOWN	UNKNOWN	Local	0.97	New	2.3C	\$12.00	\$11.64
North	Valley Center	VILLA SIERRA	UNKNOWN	UNKNOWN	Local	0.30	New	2.3C	\$12.00	\$3.60
North	Valley Center	VILLA SIERRA	UNKNOWN	MACTAN	Local	0.30	New	2.3C	\$12.00	\$3.60
North	Valley Center	WEST LILAC	ANTHONY	LILAC RIDGE	Local	0.09	Light Collector	2.2F	\$0.49	\$0.04
North	Valley Center	WEST LILAC	LILAC RIDGE	ZONE CONNECTOR	Local	0.47	Light Collector	2.2F	\$0.49	\$0.23
North	Valley Center	WEST LILAC	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.74	New	2.2F	\$9.80	\$7.25
North	Valley Center	WEST LILAC	ZONE CONNECTOR	CIRCLE R	Local	0.60	Light Collector	2.2F	\$0.49	\$0.29
North	Valley Center	WEST LILAC	CIRCLE R	LILAC HILLS	Local	0.44	Light Collector	2.2F	\$0.49	\$0.21
North	Valley Center	WEST LILAC	LILAC HILLS	UNKNOWN	Local	0.97	Light Collector	2.2F	\$0.49	\$0.47
North	Valley Center	WEST LILAC	UNKNOWN	LILAC	Local	0.42	Light Collector	2.2F	\$0.49	\$0.20

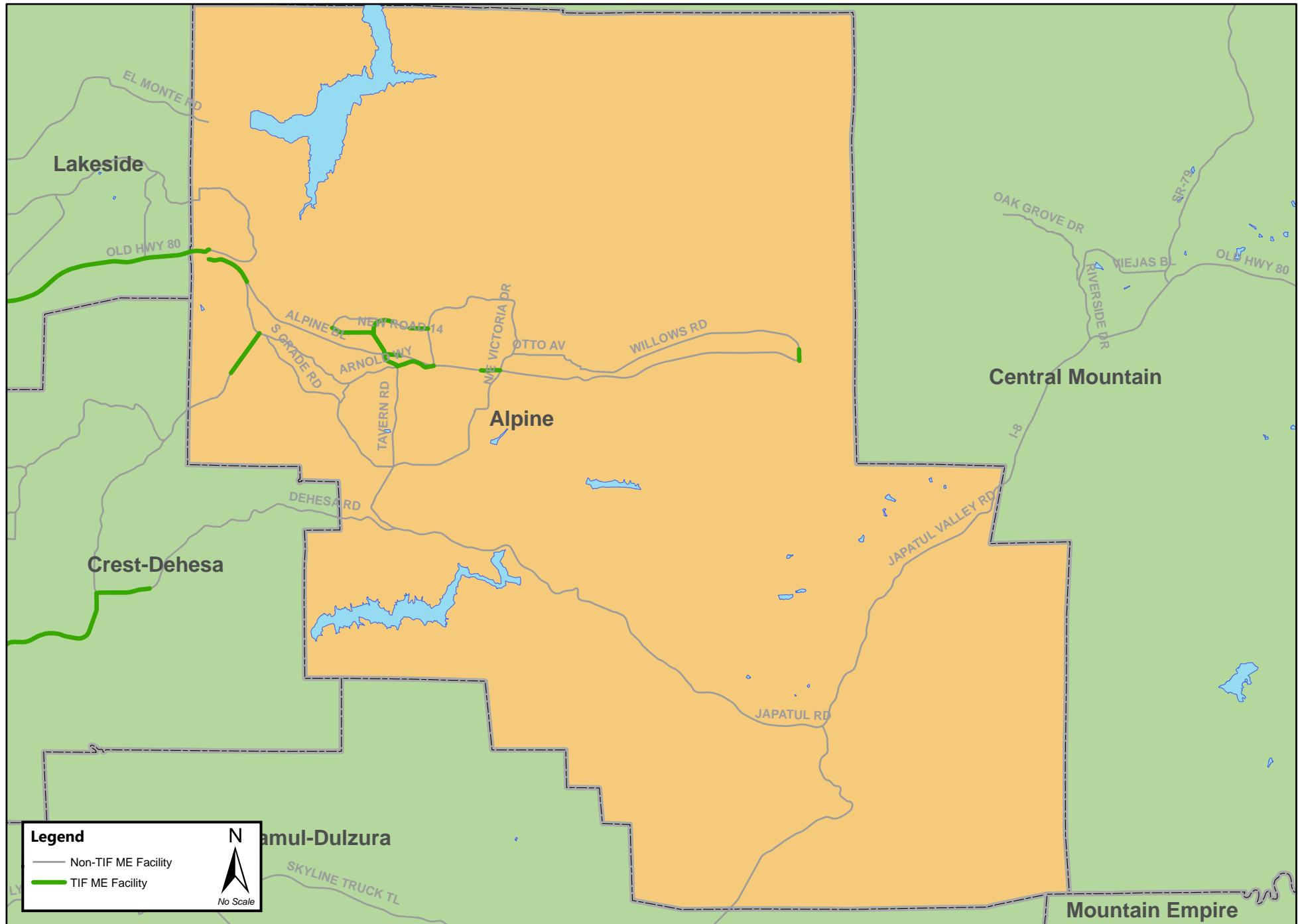
## Appendix B - Improvements Associated With Existing Deficiencies and/or External Growth

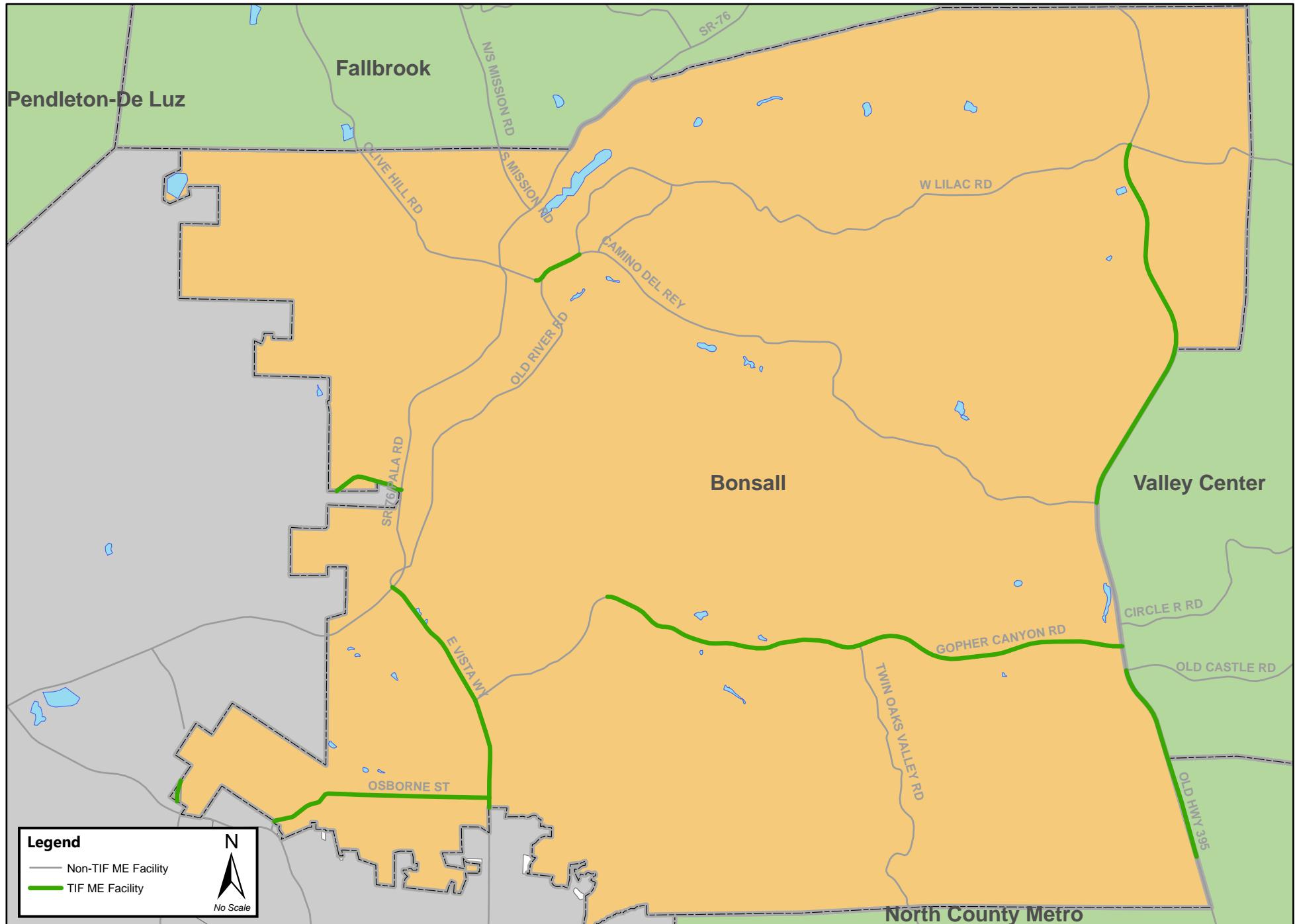
Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+UG Required Classification	E+UG Improvement Unit Cost	E+UG Improvement Total Cost
East	Central Mountain	BOULDER CREEK	PINE HILLS	ENGINEERS	Local	0.28	Light Collector	2.2F	\$0.49	\$0.14
East	Central Mountain	ENGINEERS	BOULDER CREEK	ZONE CONNECTOR	Local	1.08	Light Collector	2.2F	\$0.49	\$0.52
East	Central Mountain	ENGINEERS	ZONE CONNECTOR	SR-79	Local	4.65	Light Collector	2.2F	\$0.49	\$2.26
East	Central Mountain	JAPATUL VALLEY	RAMP I-8 EB	ALPINE	Local	0.07	Light Collector	2.2F	\$0.49	\$0.03
East	Central Mountain	JAPATUL VALLEY	ALPINE	ZONE CONNECTOR	Local	0.46	Light Collector	2.2F	\$0.49	\$0.22
East	Central Mountain	JAPATUL VALLEY	ZONE CONNECTOR	AVNDA DE LOS ARBOLES	Local	0.57	Light Collector	2.2F	\$0.49	\$0.28
East	Julian	BOULDER CREEK	PINE HILLS	ENGINEERS	Local	2.59	Light Collector	2.2F	\$0.49	\$1.26
East	Julian	FARMER	ZONE CONNECTOR	SR-78	Local	0.45	Light Collector	2.2F	\$0.49	\$0.22
East	Julian	FARMER	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.44	Light Collector	2.2F	\$0.49	\$0.21
East	Julian	FARMER	WYNOLA	ZONE CONNECTOR	Local	1.30	Light Collector	2.2F	\$0.49	\$0.63
East	Julian	PINE HILLS	EAGLE PEAK	UNKNOWN	Local	0.60	Light Collector	2.2F	\$0.49	\$0.29
East	Julian	PINE HILLS	UNKNOWN	BOULDER CREEK	Local	1.13	Light Collector	2.2F	\$0.49	\$0.55
East	Julian	PINE HILLS	SR-78	EAGLE PEAK	Local	1.58	Light Collector	2.2F	\$0.49	\$0.77
East	Julian	WYNOLA	SR-78	UNKNOWN	Local	0.37	Light Collector	2.2F	\$0.49	\$0.18
East	Julian	WYNOLA	UNKNOWN	FARMER	Local	2.94	Light Collector	2.2F	\$0.49	\$1.43
East	Julian	WYNOLA	FARMER	SR-78	Local	0.79	Light Collector	2.2F	\$0.49	\$0.38
East	Mountain Empire	LA POSTA	OLD 80	ZONE CONNECTOR	Local	1.57	Light Collector	2.2F	\$0.49	\$0.76
East	Mountain Empire	LA POSTA	ZONE CONNECTOR	LA POSTA TRUCK	Local	1.22	Light Collector	2.2F	\$0.49	\$0.59
East	Mountain Empire	LA POSTA	LA POSTA TRUCK	ZONE CONNECTOR	Local	1.83	Light Collector	2.2F	\$0.49	\$0.89
East	Mountain Empire	LA POSTA	ZONE CONNECTOR	SR-94	Local	1.27	Light Collector	2.2F	\$0.49	\$0.62
East	Ramona	ASH	ZONE CONNECTOR	SR-78	Local	1.05	New	2.1E	\$12.27	\$12.89
East	Ramona	ASHLEY	CREELMAN	DYE	Local	0.25	New	2.3B	\$12.00	\$3.00
East	Ramona	BOUNDARY	JULIAN	HUNTER	Local	0.79	New	2.2E	\$12.75	\$10.07
East	Ramona	DYE	UNKNOWN	MUSSEY GRADE	RAS	0.60	New	2.1E	\$12.27	\$7.36
East	Ramona	DYE	RAMONA	WARNOCK	RAS	0.70	New	2.2E	\$12.75	\$8.92
East	Ramona	DYE	SAN VICENTE	UNKNOWN	RAS	0.25	New	2.2E	\$12.75	\$3.19
East	Ramona	DYE	UNKNOWN	ASHLEY	RAS	0.25	New	2.2E	\$12.75	\$3.19
East	Ramona	DYE	ASHLEY	KEYES	RAS	0.66	New	2.2E	\$12.75	\$8.41
East	Ramona	JULIAN	DYE	MUSSEY GRADE	State	0.46	Town Collector	4.1B	\$3.73	\$1.72
East	Ramona	JULIAN	HIGHLAND VALLEY	DYE	State	0.12	Town Collector	4.1B	\$3.73	\$0.45
East	Ramona	JULIAN	ZONE CONNECTOR	HIGHLAND VALLEY	State	0.49	Town Collector	4.1B	\$3.73	\$1.83
East	Ramona	JULIAN	BOUNDARY	ZONE CONNECTOR	State	0.10	Town Collector	4.1B	\$3.73	\$0.37
East	Ramona	JULIAN	MAIN	BOUNDARY	State	0.47	Town Collector	4.1B	\$3.73	\$1.75
East	Ramona	KEYES	MAGNOLIA	ZONE CONNECTOR	RAS	0.56	New	2.1C	\$12.27	\$6.87
East	Ramona	KEYES	ZONE CONNECTOR	OLD JULIAN	RAS	0.26	New	2.1C	\$12.27	\$3.19
East	Ramona	MAIN	KALBAUGH	ETCHEVERRY	State	0.25	Town Collector	4.1B	\$3.73	\$0.93
East	Ramona	SA 330	MONTECITO	ZONE CONNECTOR	Local	0.36	New	2.2E	\$12.75	\$4.59
East	Ramona	SA 330	ZONE CONNECTOR	SAWDAY	Local	0.31	New	2.2E	\$12.75	\$3.95
East	Ramona	SAWDAY	SA 330	JULIAN	Local	0.80	New	2.2E	\$12.75	\$10.20
East	Ramona	SR-67	MUSSEY GRADE	ZONE CONNECTOR	State	0.44	Town Collector	4.1B	\$3.73	\$1.64
East	Ramona	SR-67	ZONE CONNECTOR	AIR MAIL	State	0.60	Town Collector	4.1B	\$3.73	\$2.24
East	Ramona	SR-67	AIR MAIL	UNKNOWN	State	0.58	Light Collector	4.1B	\$7.06	\$4.09
East	Ramona	SR-67	UNKNOWN	ARCHIE MOORE	State	0.69	Light Collector	4.1B	\$7.06	\$4.87

**Appendix C**  
**TIF Facility Location Maps**

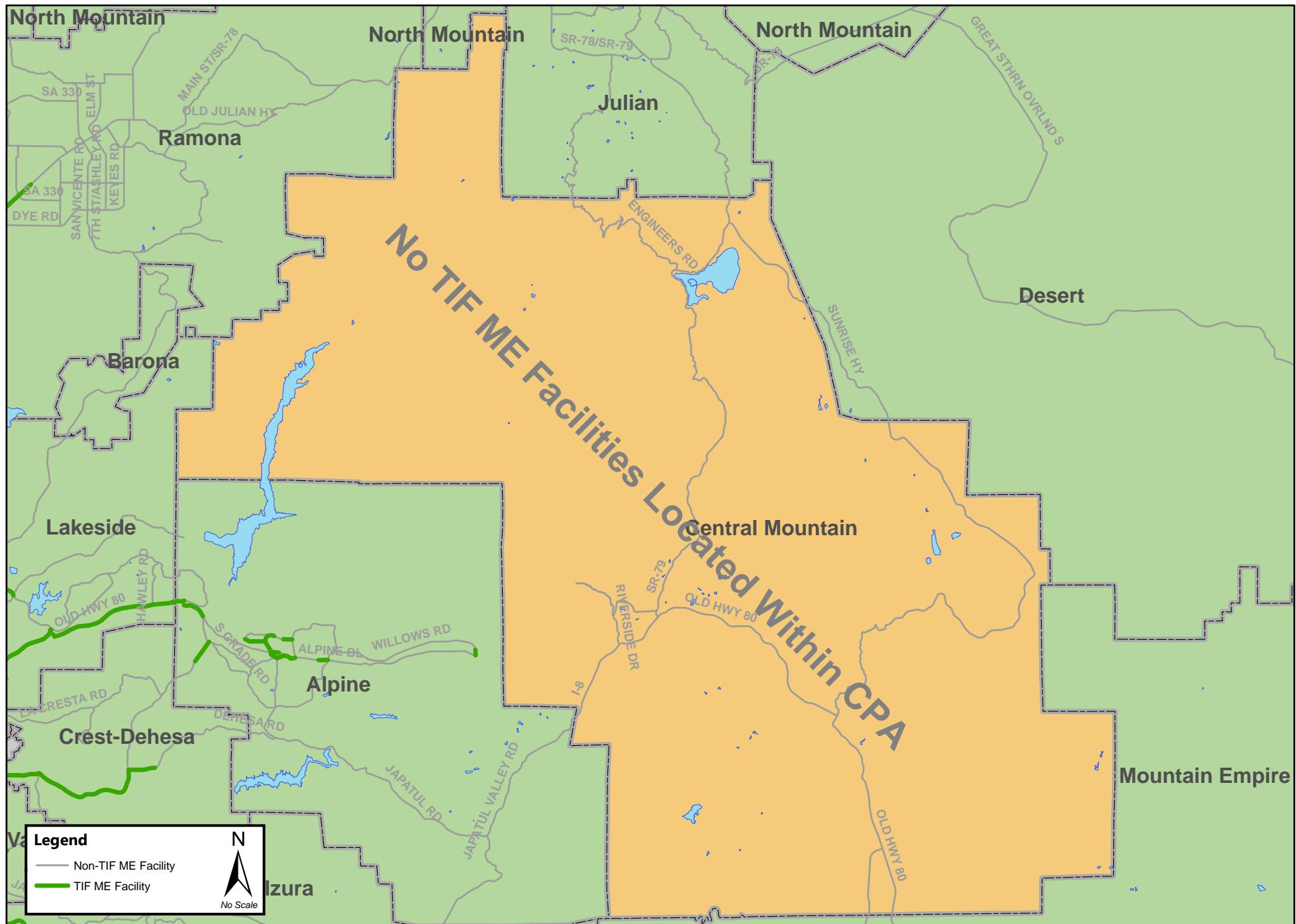
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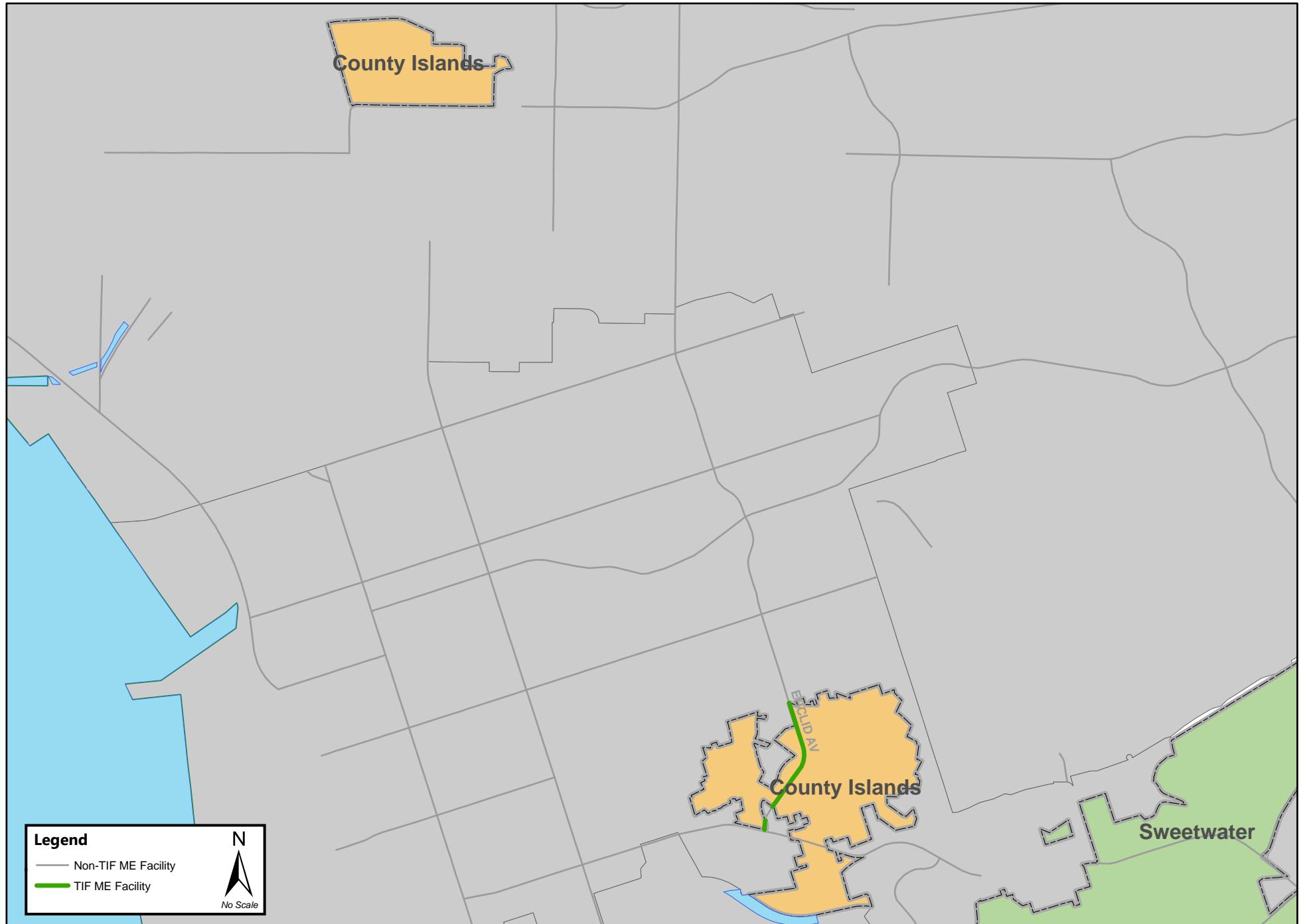


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Alpine Community**

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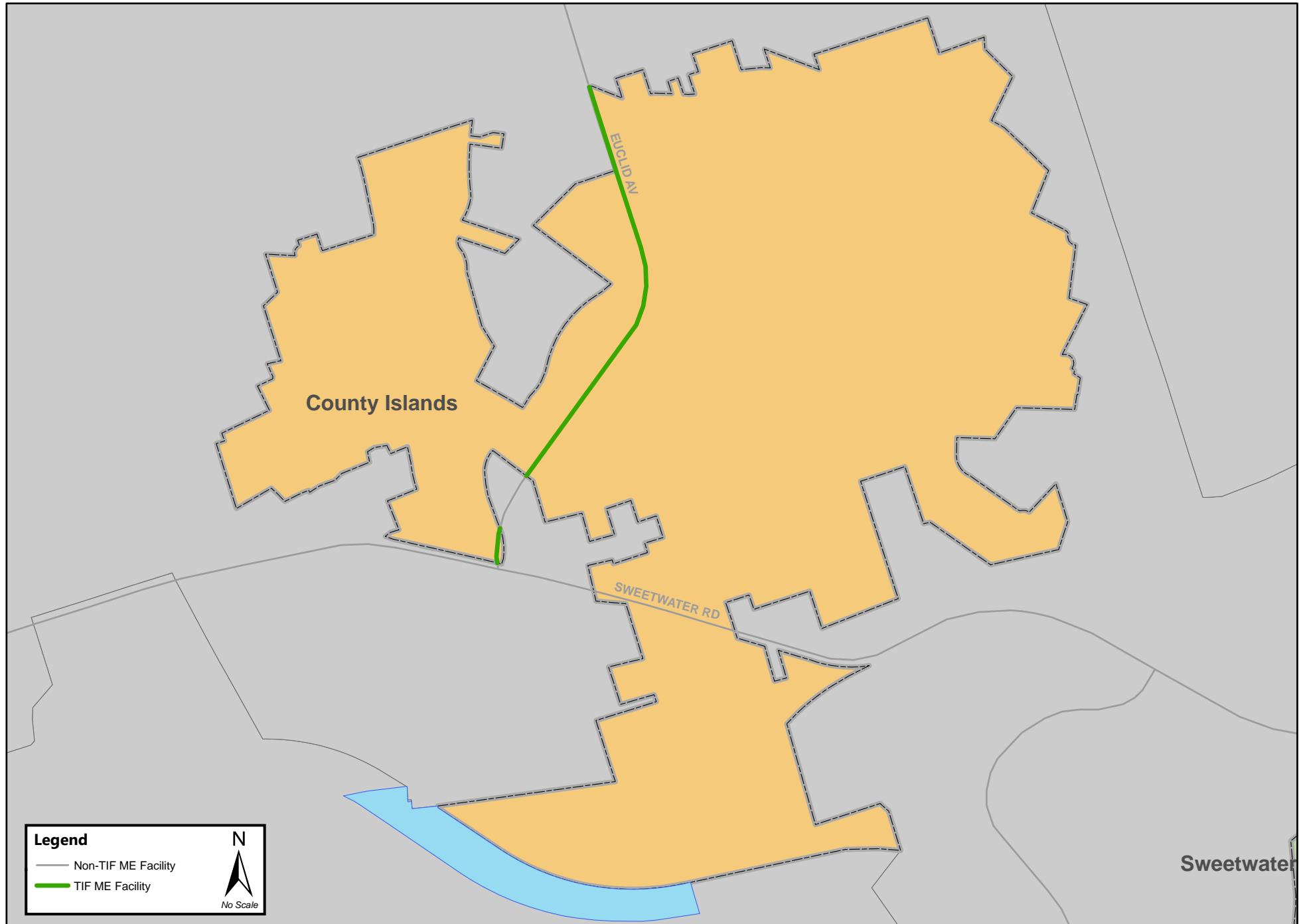
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Bonsall Community**

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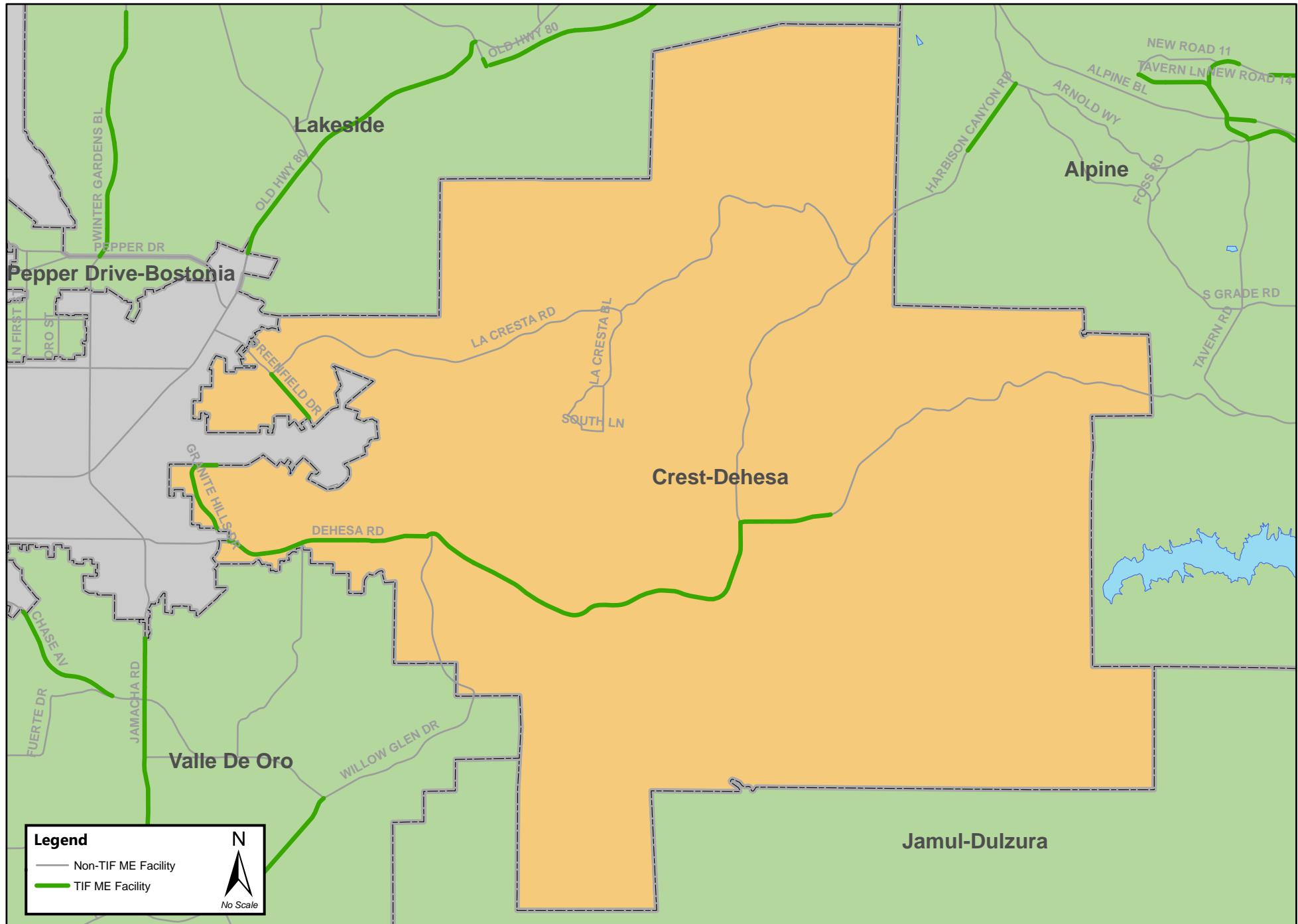
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**County of San Diego Transportation Impact Fee (TIF)  
County Islands Community**

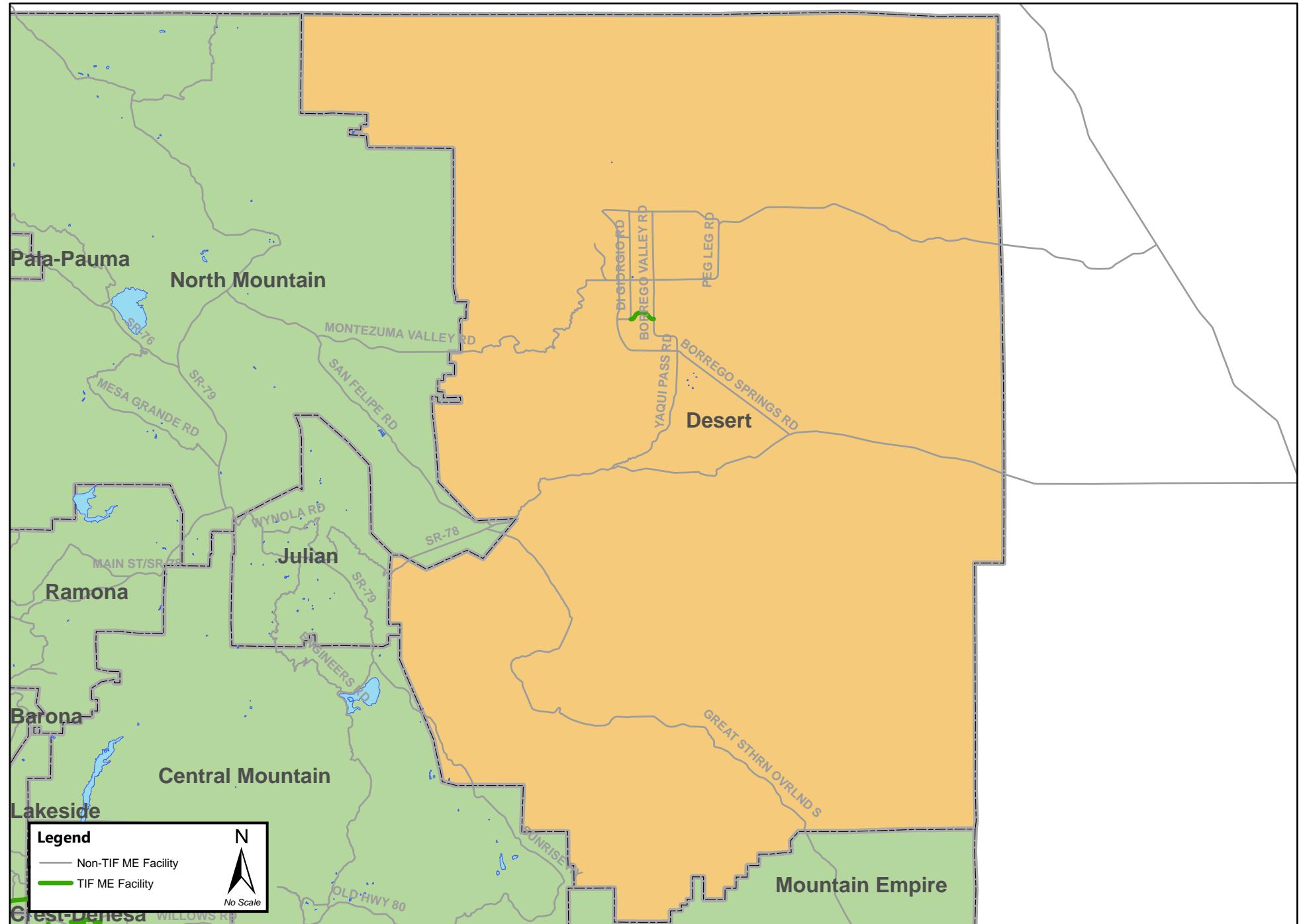


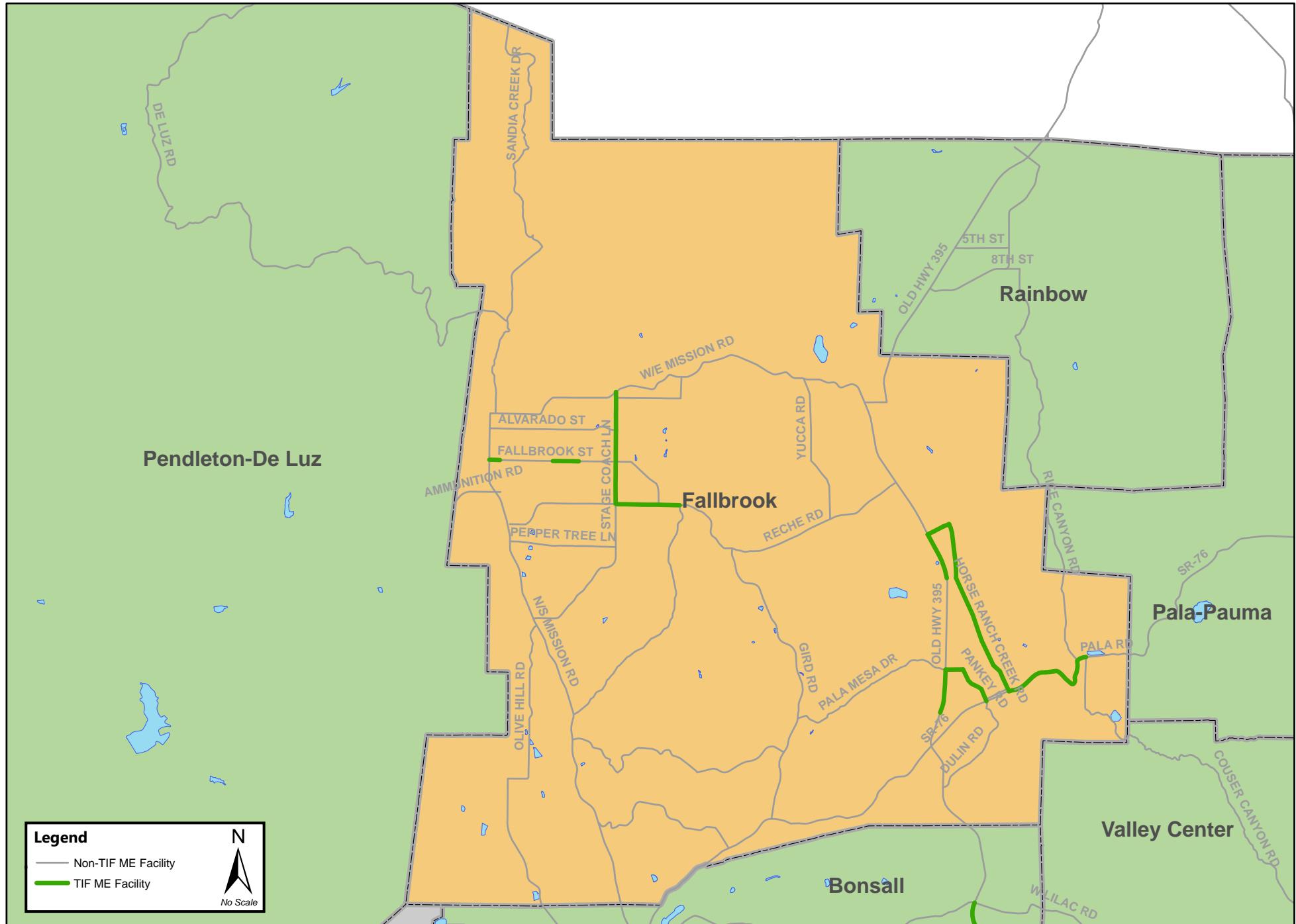
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**County of San Diego Transportation Impact Fee (TIF)  
County Islands (South) Community**

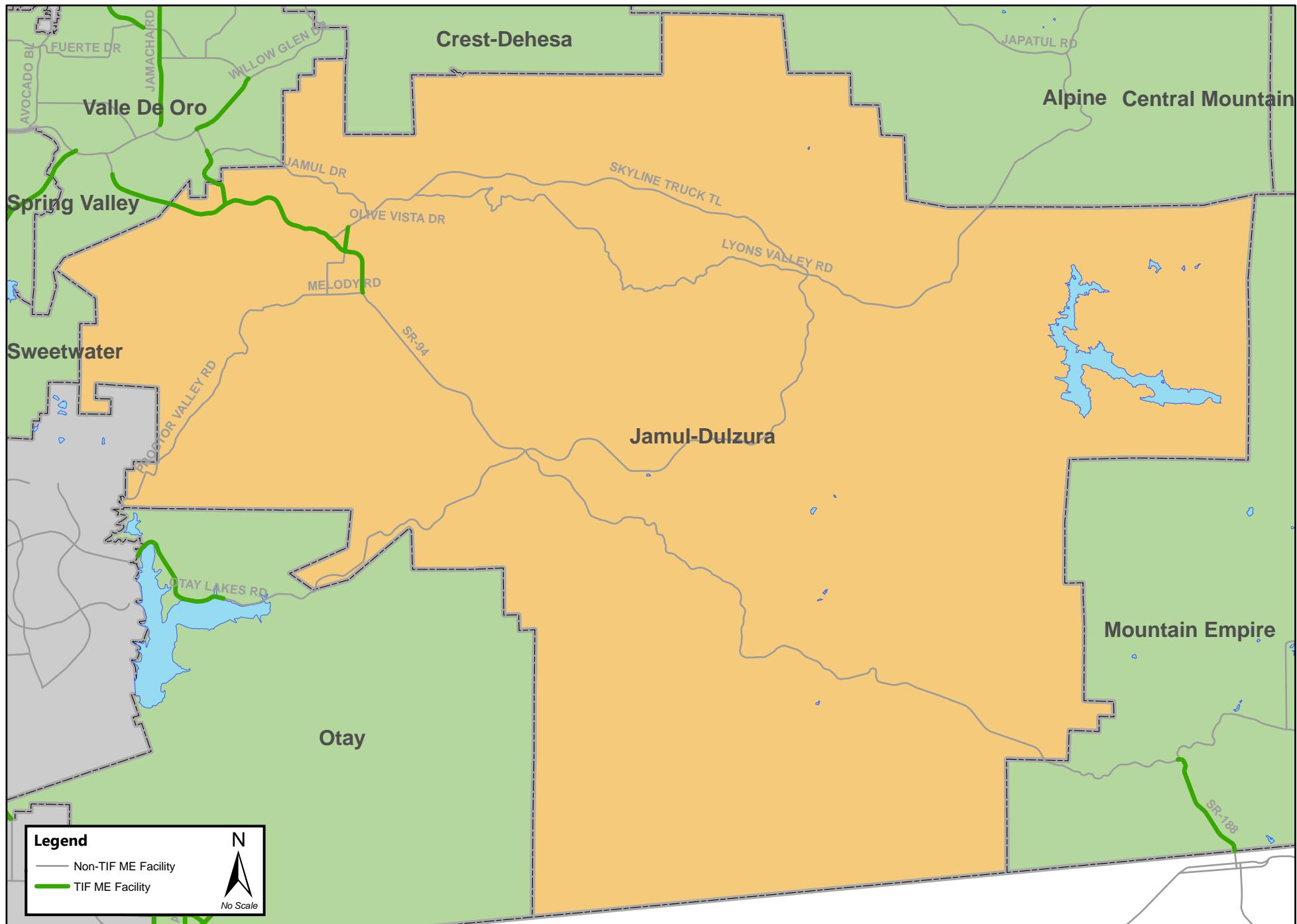
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**County of San Diego Transportation Impact Fee (TIF)**  
**Crest-Dehesa Community**

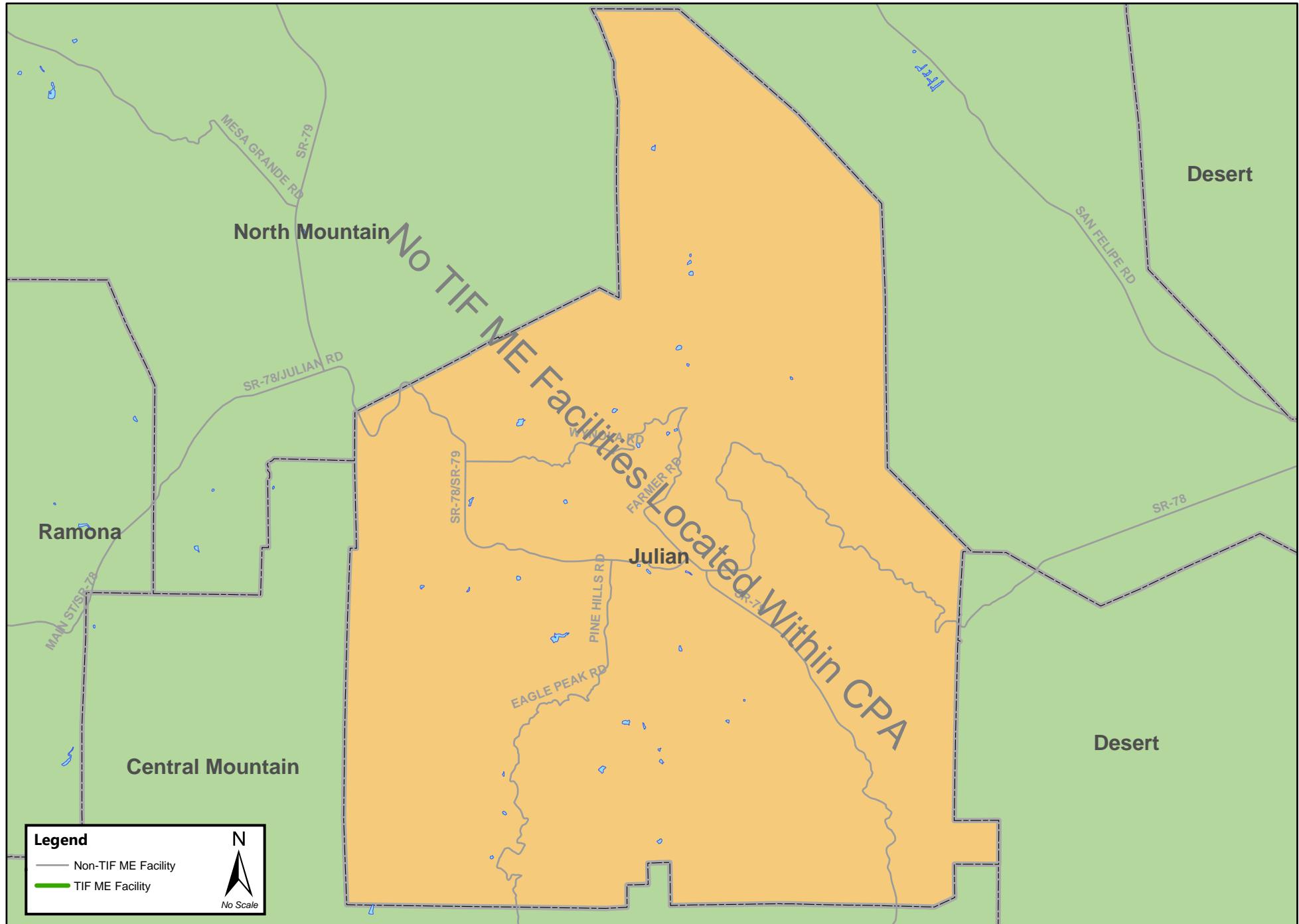


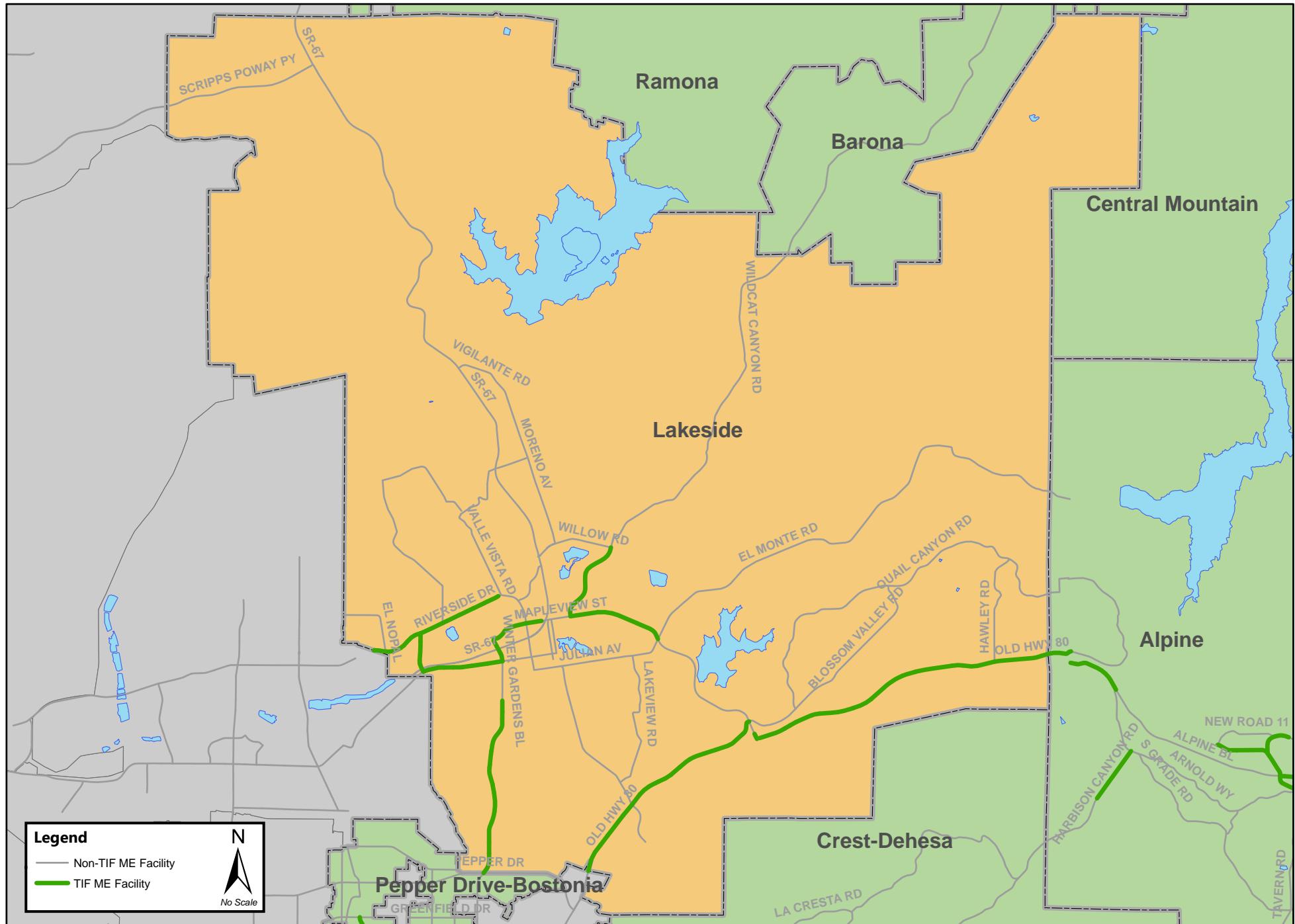
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**County of San Diego Transportation Impact Fee (TIF)  
Fallbrook Community**

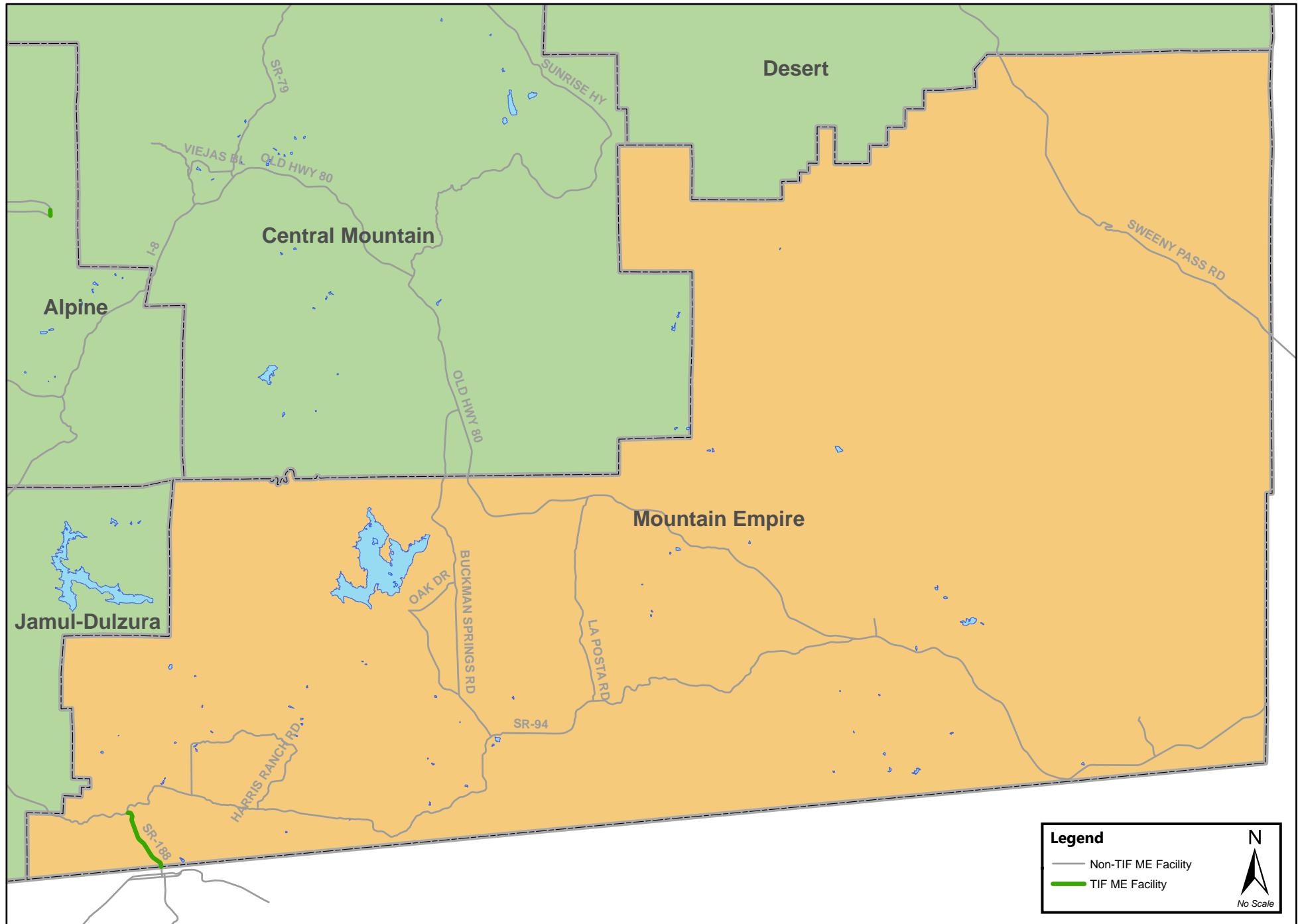
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**County of San Diego Transportation Impact Fee (TIF)**  
**Jamul-Dulzura Community**

**DRAFT****County of San Diego Transportation Impact Fee (TIF)  
Julian Community**

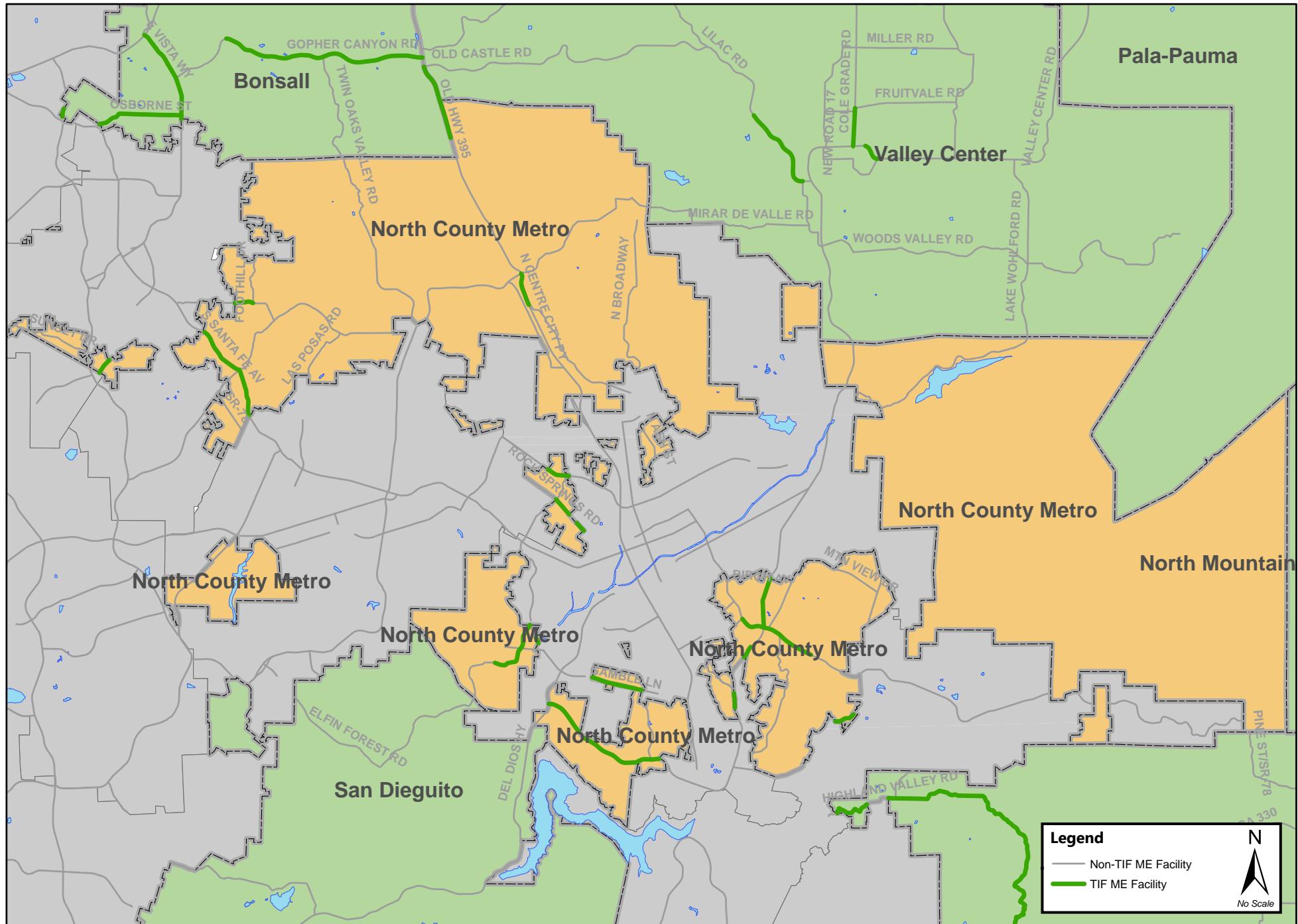
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**County of San Diego Transportation Impact Fee (TIF)**  
**Lakeside Community**

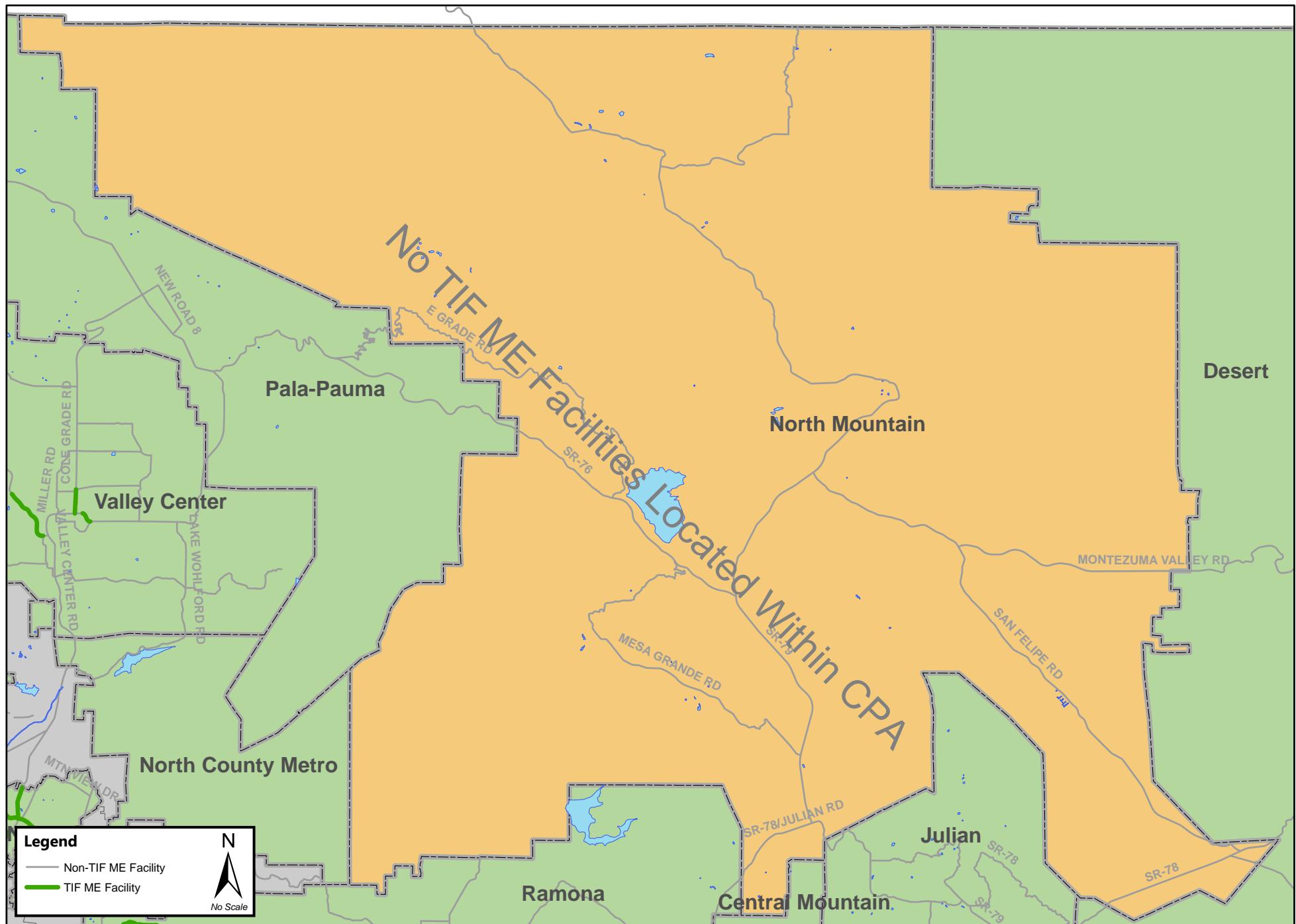


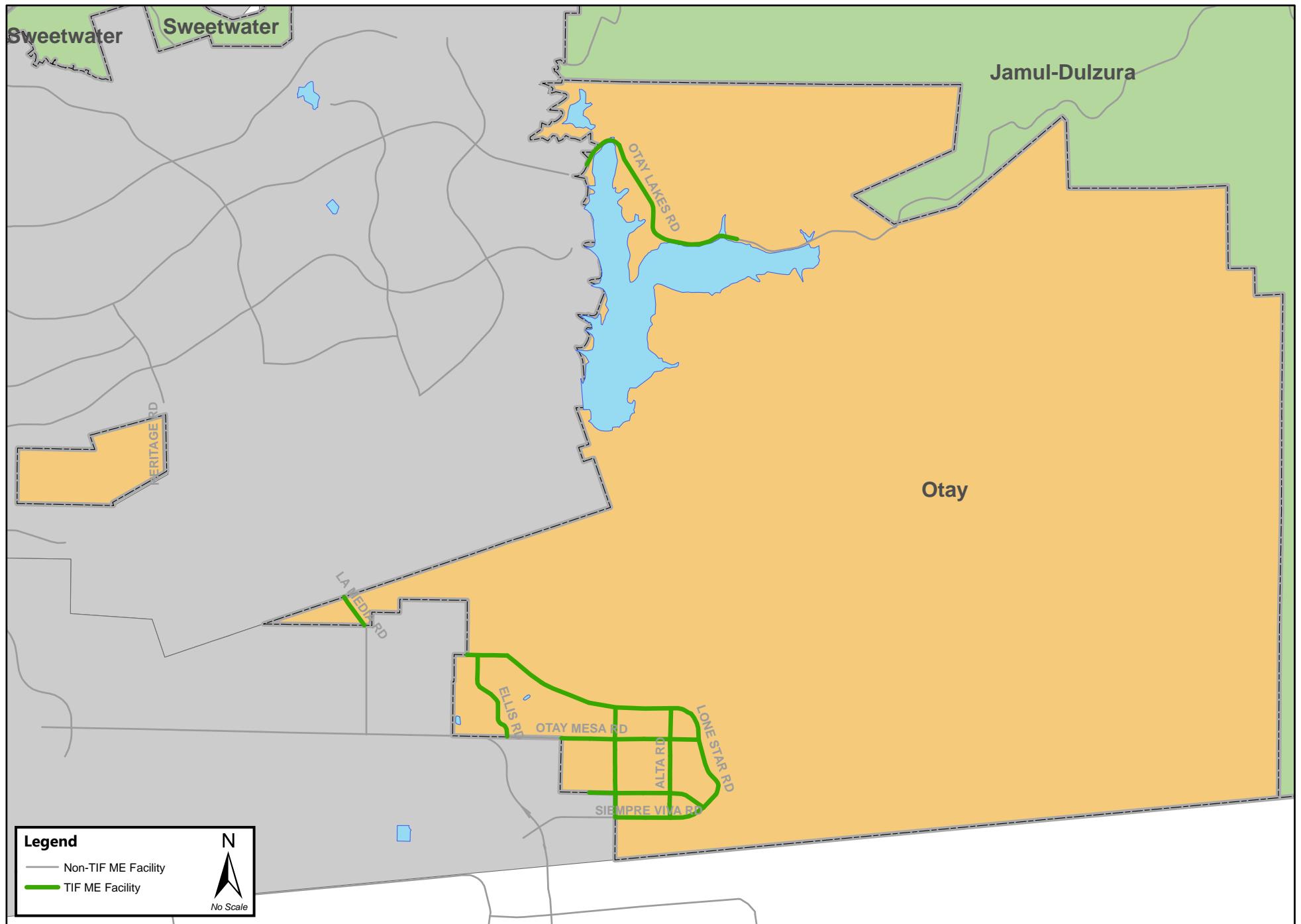
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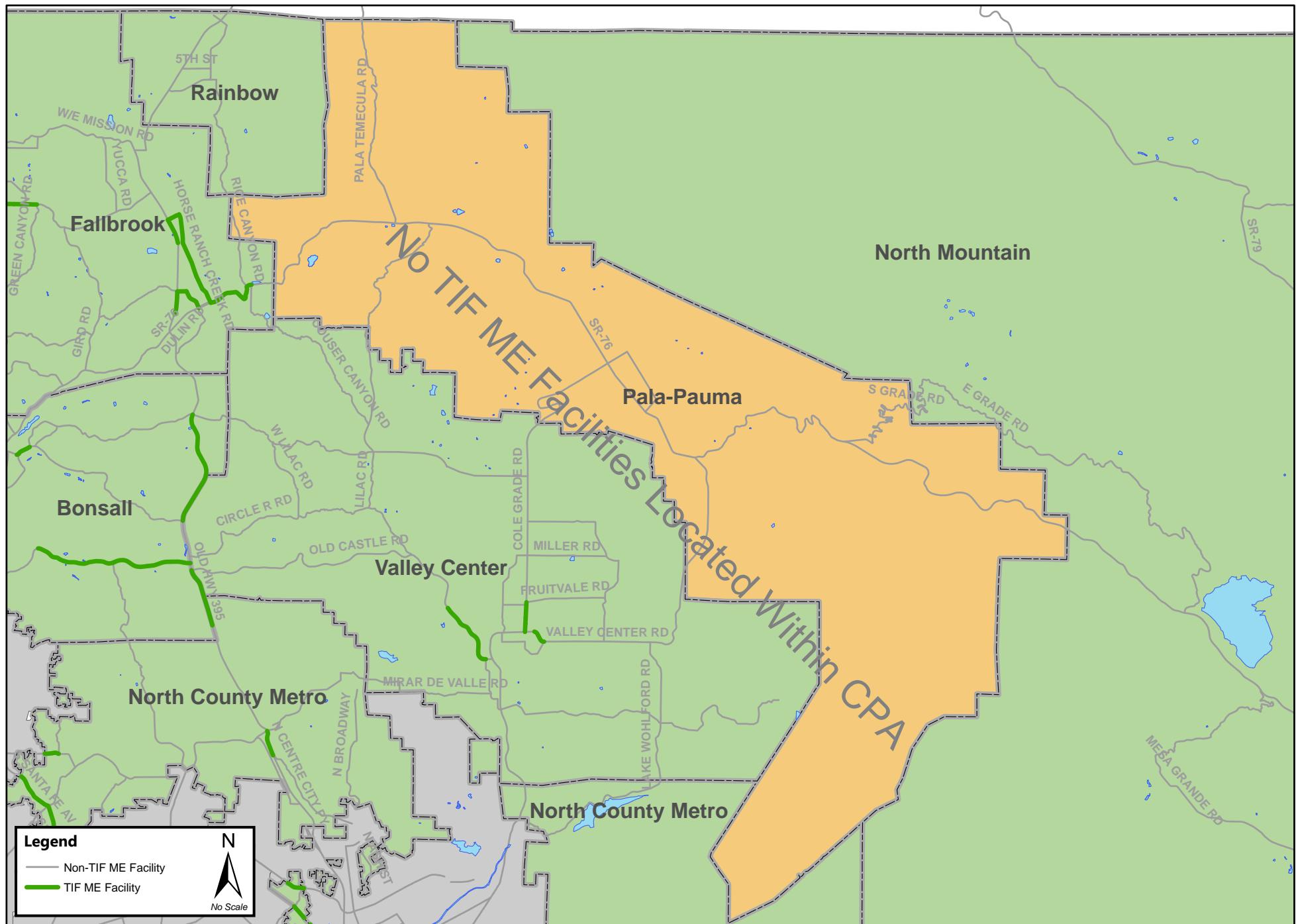
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Mountain Empire Community

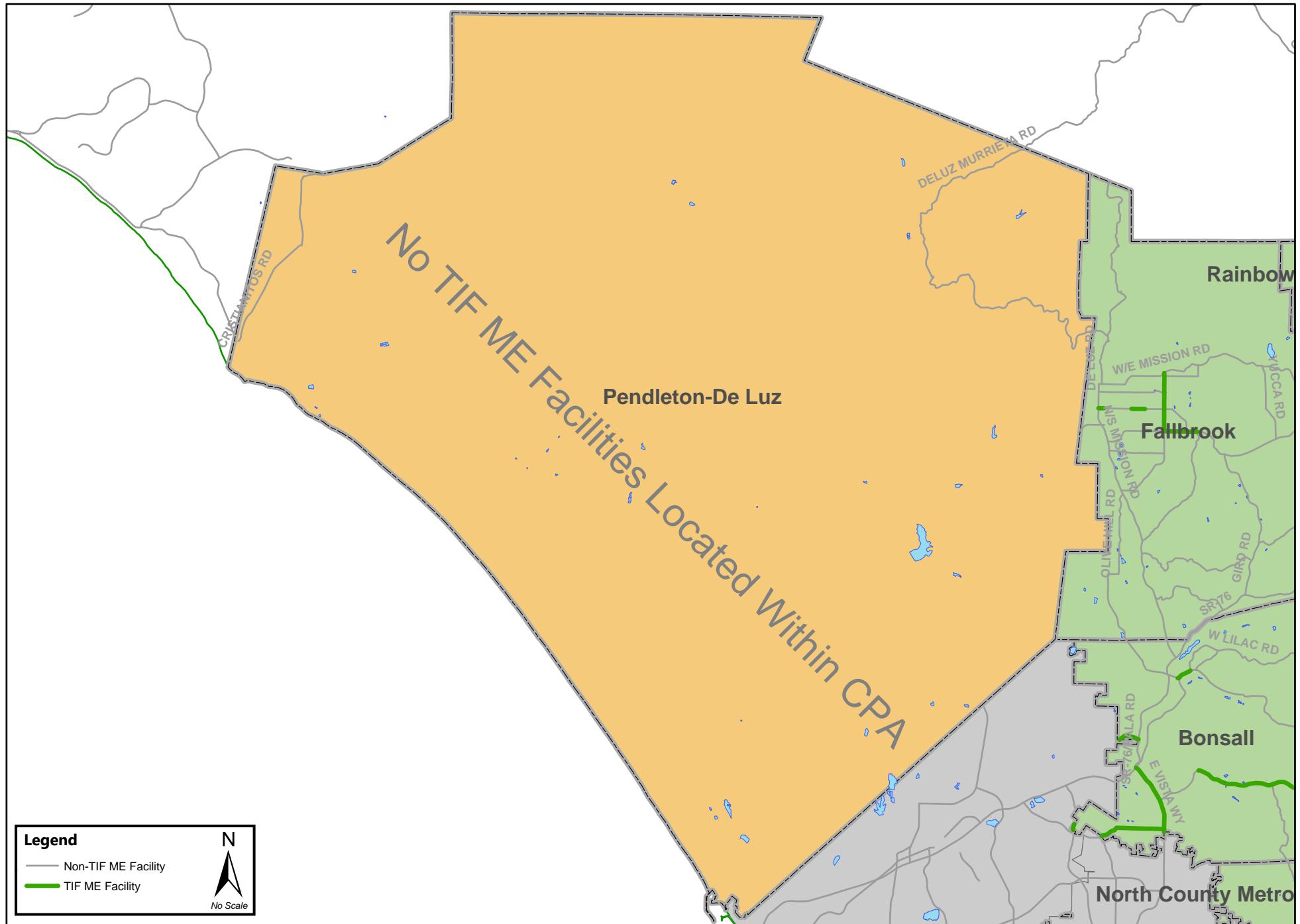
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**County of San Diego Transportation Impact Fee (TIF)  
North County Metro Community**

**DRAFT****County of San Diego Transportation Impact Fee (TIF)  
North Mountain Community**

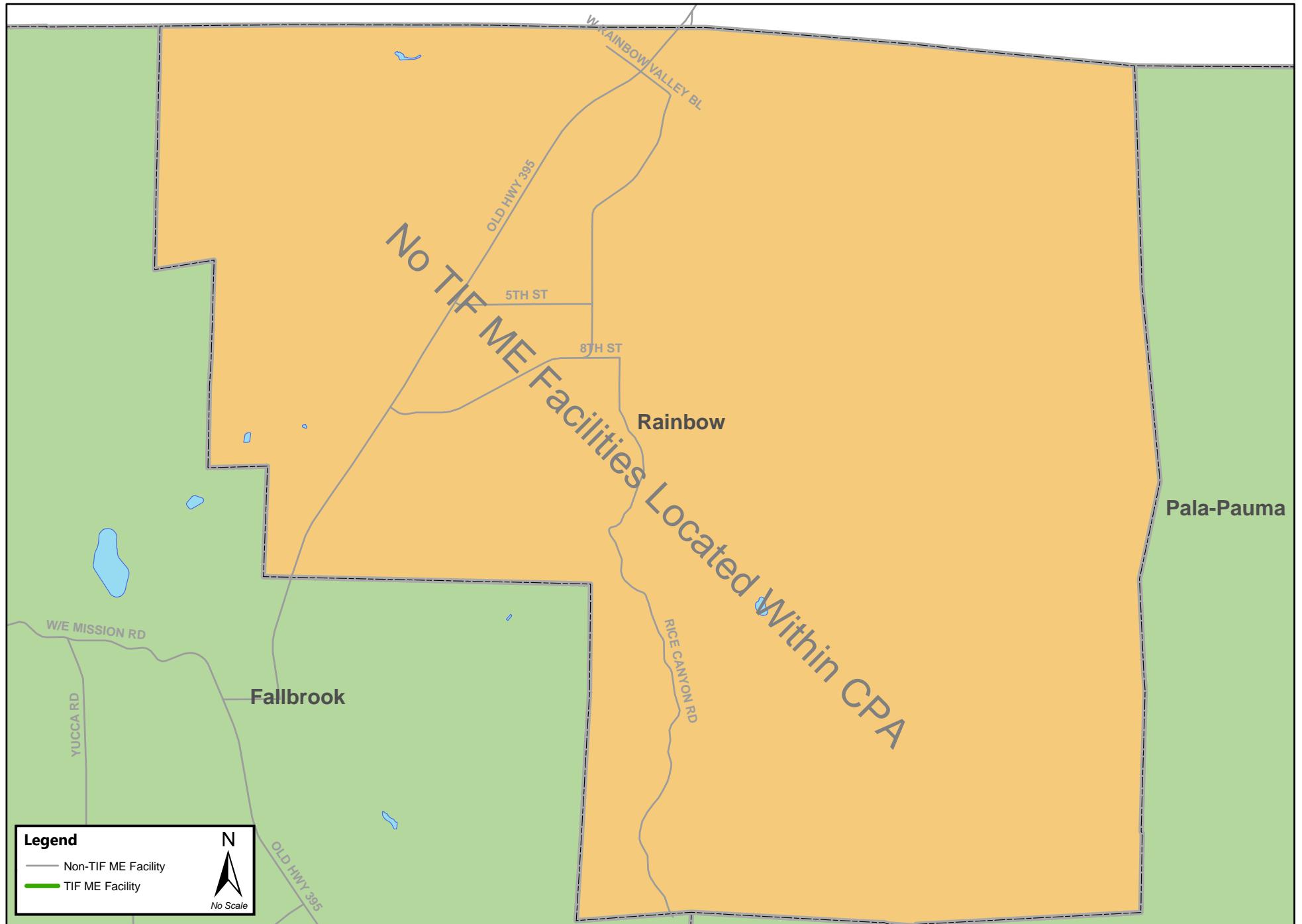
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Otay Community**

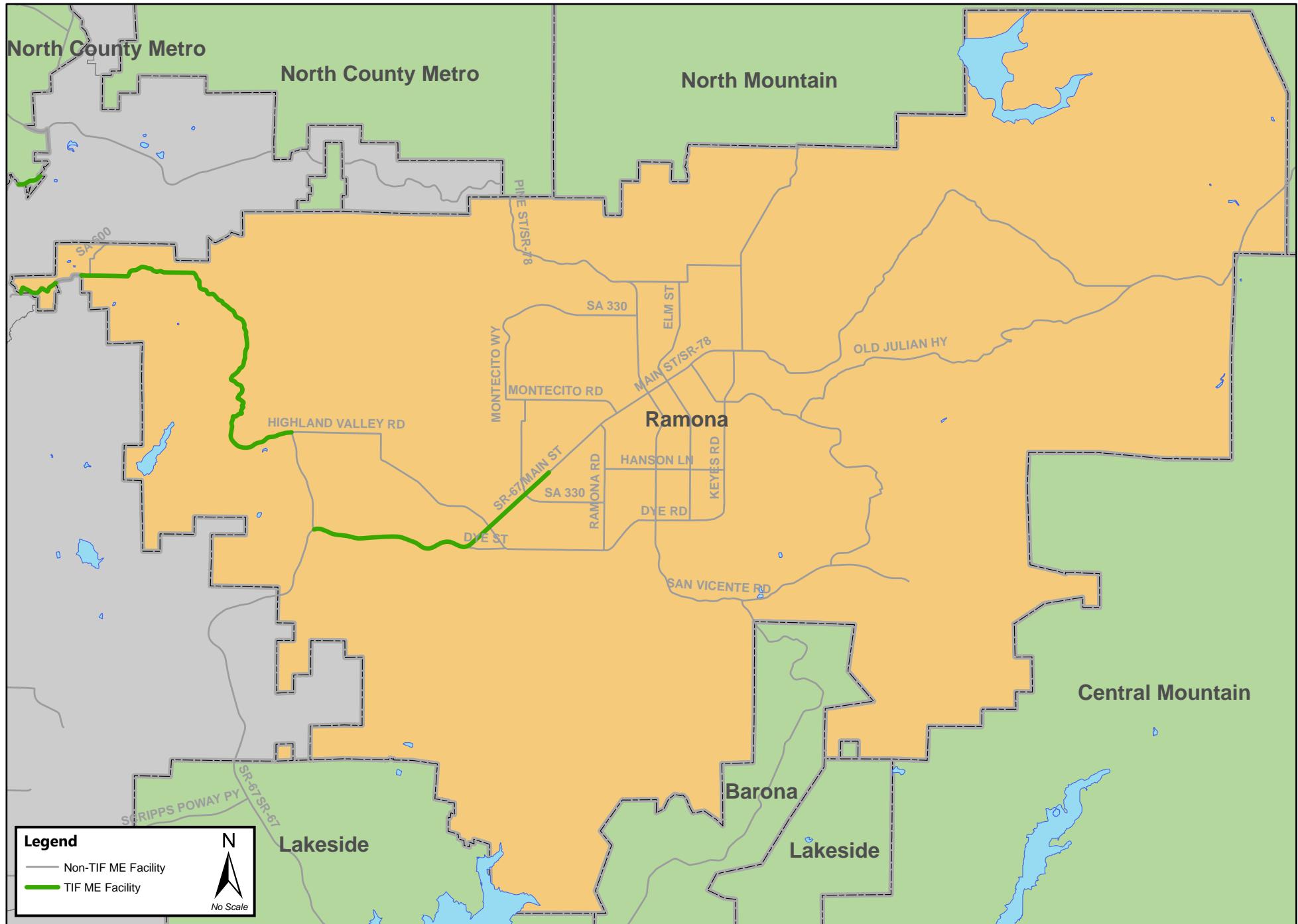


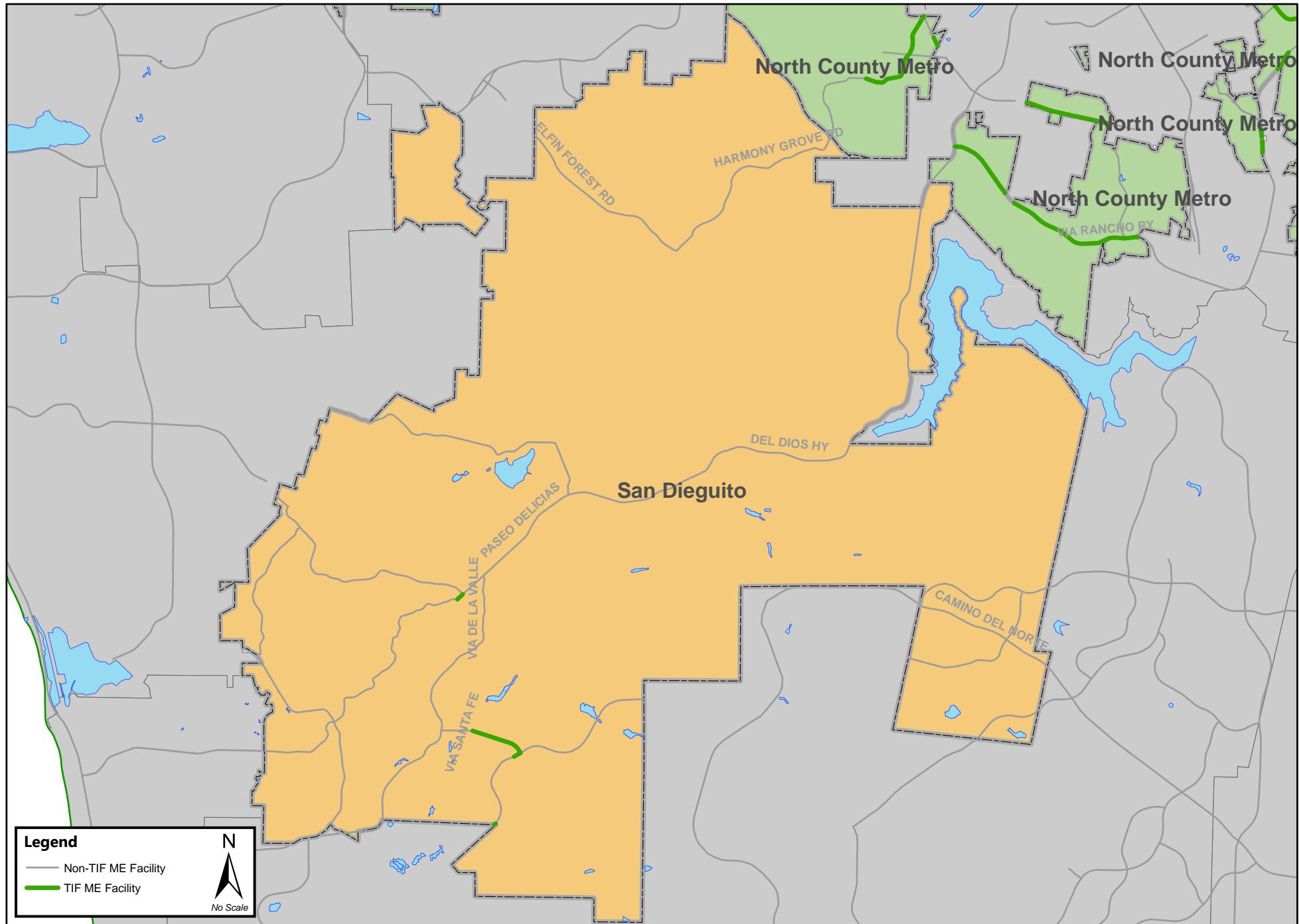


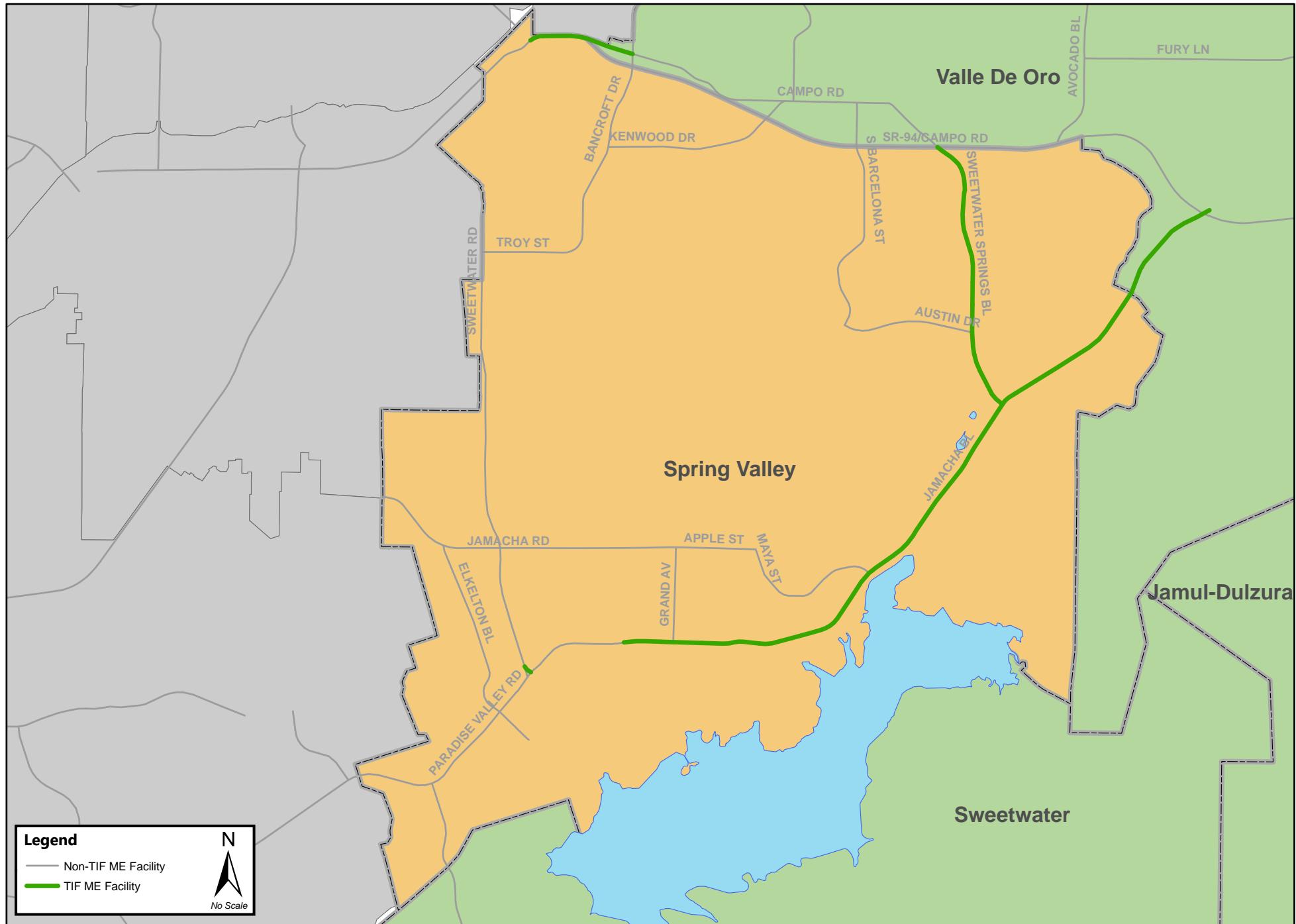
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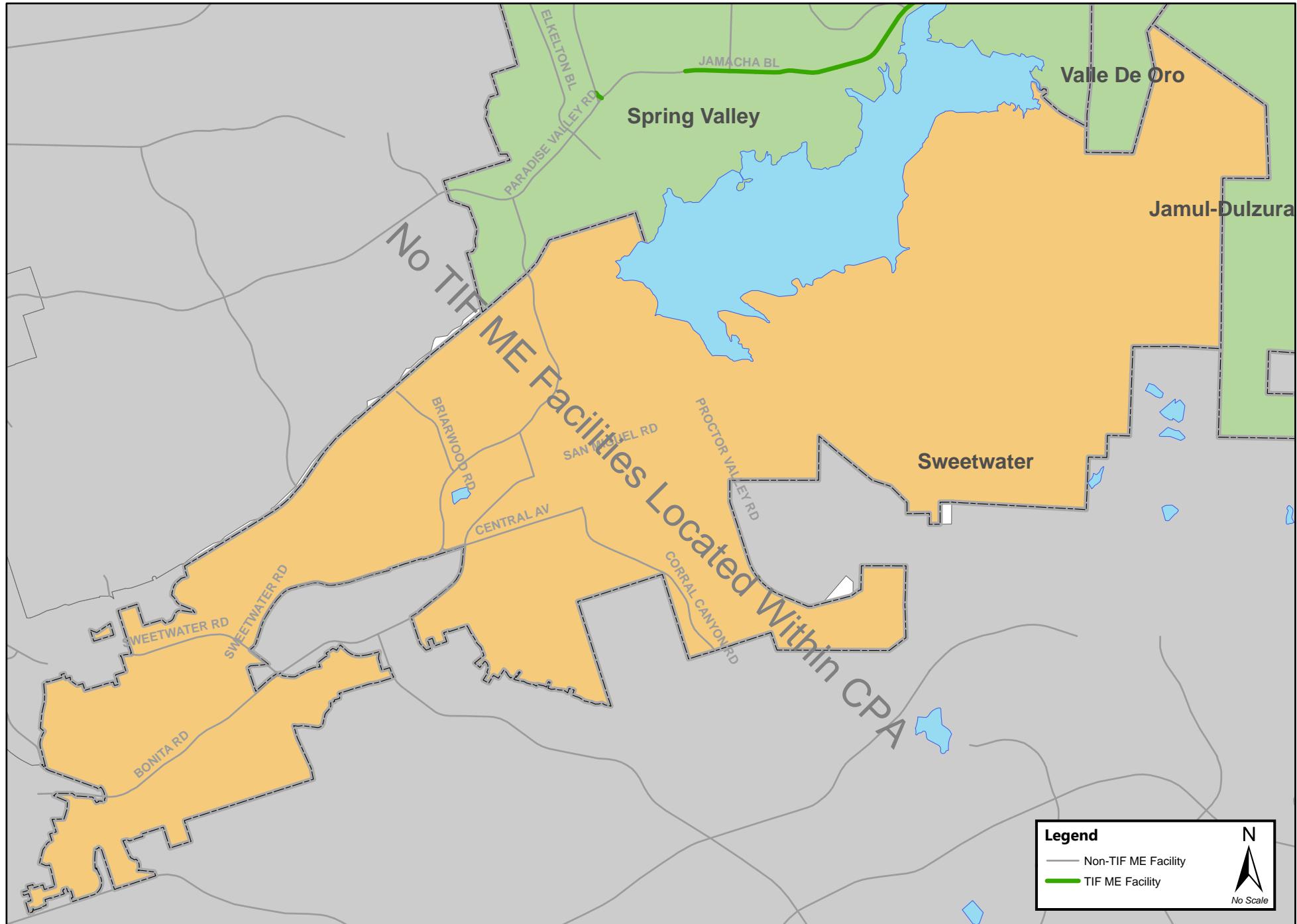
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Pendleton-De Luz Community**

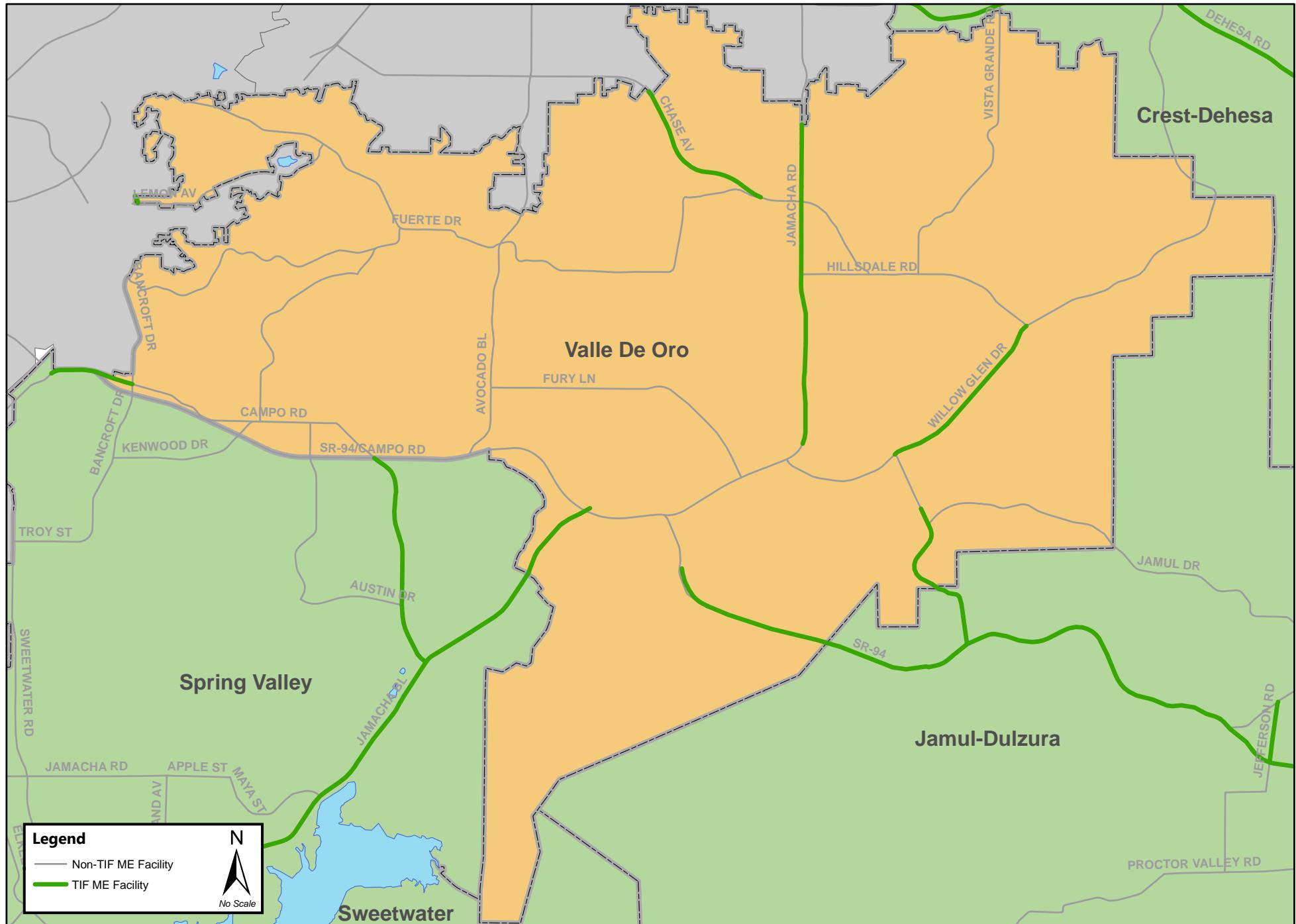
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Rainbow Community**

**DRAFT****County of San Diego Transportation Impact Fee (TIF)  
Ramona Community**

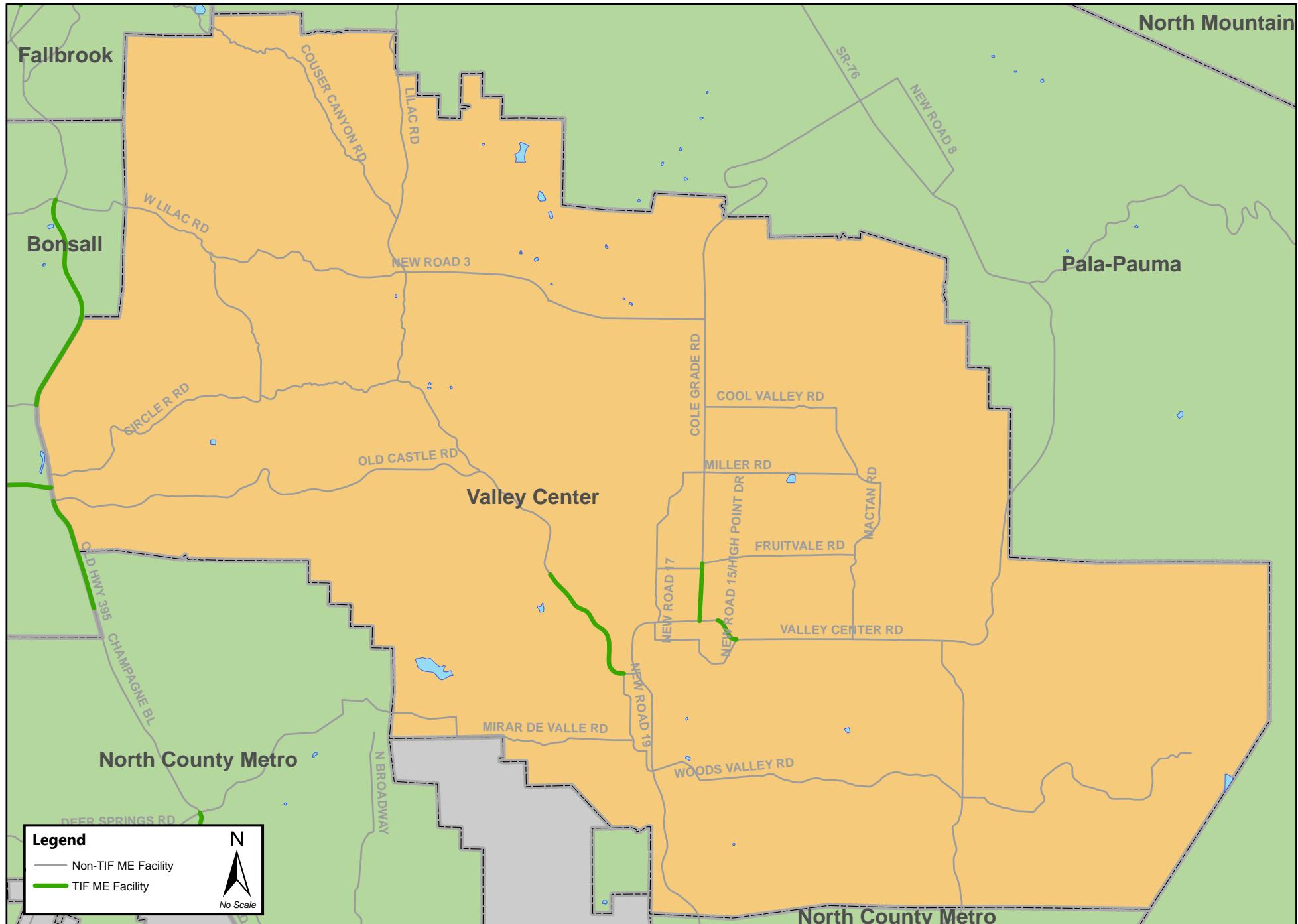
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San Dieguito Community**

**DRAFT****County of San Diego Transportation Impact Fee (TIF)  
Spring Valley Community**

**DRAFT****County of San Diego Transportation Impact Fee (TIF)  
Sweetwater Community**

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**County of San Diego Transportation Impact Fee (TIF)**  
**Valle De Oro Community**

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**County of San Diego Transportation Impact Fee (TIF)  
Valley Center Community**

**Appendix D**  
**Roadway Improvement Unit Cost Sheets**

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**County of San Diego**  
**Transportation Impact Fee Program (TIF) Update**  
**FACILITY COST ANALYSIS**  
**(Prepared by AECOM, December 2011)**

Summary - Cost Estimate to Upgrade From:

		(\$ / Mile)
Light Collector	To	\$ -
	Light Collector w/ Reduced Shoulders	\$ 485,000
	Light Collector w/ No Median	\$ 3,394,000
	Light Collector w/ No Passing Lanes	\$ 4,894,000
	Light Collector w/ One Passing Lane	\$ 6,394,000
	Light Collector w / Two Passing Lanes	\$ 485,000
	Light Collector w/ Intermittent Turn Lanes	\$ 3,932,000
	Light Collector w/ Raised Median	\$ 4,323,000
	Community Collector w/ No Median	\$ 229,000
	Community Collector w/ No Passing Lanes	\$ 3,139,000
	Community Collector w/ One Passing Lane	\$ 4,639,000
	Community Collector w/ Two Passing Lanes	\$ 6,139,000
	Community Collector w/ Intermittent Turn Lanes	\$ 229,000
	Community Collector w/ Cont. Left Turn Lane	\$ 3,676,000
	Community Collector w/ Raised Median	\$ 4,094,000
	Boulevard w/ Intermittent Turn Lanes	\$ 7,108,000
	Boulevard w/ Raised Median	\$ 10,973,000
	Major Road w/ Intermittent Turn Lanes	\$ 7,057,000
	Major Road w/ Raised Median	\$ 11,375,000
	Prime Arterial	\$ 23,939,000
	Expressway	\$ 27,594,000

***County of San Diego***  
***Transportation Impact Fee Program (TIF) Update***  
***FACILITY COST ANALYSIS***  
***(Prepared by AECOM, December 2011)***

Summary - Cost Estimate to Upgrade From:

		(\$ / Mile)
Town Collector	To	Community Collector w/ Raised Median \$ 884,000
		Boulevard w/ Intermittent Turn Lanes \$ 3,925,000
		Boulevard w/ Raised Median \$ 7,707,000
		Major Road w/ Intermittent Turn Lanes \$ 3,730,000
		Major Road w/ Raised Median \$ 7,983,000
		Prime Arterial \$ 22,246,000
		Expressway \$ 25,891,000

***County of San Diego***  
***Transportation Impact Fee Program (TIF) Update***  
***FACILITY COST ANALYSIS***  
***(Prepared by AECOM, December 2011)***

Summary - Cost Estimate to Upgrade From:

		(\$ / Mile)
Collector	To	\$ 4,818,000
	Major Road w/ Raised Median	\$ 12,964,000
	Prime Arterial	\$ 20,842,000
	Expressway	\$

*County of San Diego*  
**Transportation Impact Fee Program (TIF) Update**  
**FACILITY COST ANALYSIS**  
**(Prepared by AECOM, December 2011)**

Summary - Cost Estimate to Upgrade From:

		(\$ / Mile)
Major Road	Prime Arterial	\$ 7,629,000
	Expressway	\$ 15,772,000
Prime Arterial	Expressway	\$ 8,331,000

***County of San Diego***  
***Transportation Impact Fee Program (TIF) Update***  
***FACILITY COST ANALYSIS***  
***(Prepared by AECOM, December 2011)***

Summary - Cost Estimate to Build:

		(\$ / Mile)
New	Light Collector w/ Reduced Shoulders	\$ 9,804,000
	Light Collector w/ No Median	\$ 12,758,000
	Light Collector w/ No Passing Lanes	\$ 15,667,000
	Light Collector w/ One Passing Lane	\$ 17,167,000
	Light Collector w / Two Passing Lanes	\$ 18,667,000
	Light Collector w/ Intermittent Turn Lanes	\$ 12,758,000
	Light Collector w/ Cont. Left Turn Lane	\$ 16,205,000
	Light Collector w/ Raised Median	\$ 16,205,000

***County of San Diego***  
***Transportation Impact Fee Program (TIF) Update***  
***FACILITY COST ANALYSIS***  
***(Prepared by AECOM, December 2011)***

Summary - Cost Estimate to Build:

		(\$ / Mile)
New	Community Collector w/ No Median	\$ 12,273,000
	Community Collector w/ No Passing Lanes	\$ 15,182,000
	Community Collector w/ One Passing Lane	\$ 16,682,000
	Community Collector w/ Two Passing Lanes	\$ 18,182,000
	Community Collector w/ Intermittent Turn Lanes	\$ 12,273,000
	Community Collector w/ Cont. Turn Lane	\$ 15,720,000
	Community Collector w/ Raised Median	\$ 13,970,000

**County of San Diego**  
**Transportation Impact Fee Program (TIF) Update**  
**FACILITY COST ANALYSIS**  
**(Prepared by AECOM, December 2011)**

Summary - Cost Estimate to Build:

		(\$ / Mile)
New	Boulevard w/ Intermittent Turn Lanes	\$ 19,243,000
	Boulevard w/ Raised Median	\$ 20,849,000

**County of San Diego**  
**Transportation Impact Fee Program (TIF) Update**  
**FACILITY COST ANALYSIS**  
**(Prepared by AECOM, December 2011)**

Summary - Cost Estimate to Build:

		(\$ / Mile)
New	Major Road w/ Intermittent Turn Lanes	\$ 20,563,000
	Major Road w/ Raised Median	\$ 22,699,000

*County of San Diego*  
*Transportation Impact Fee Program (TIF) Update*  
**FACILITY COST ANALYSIS**  
*(Prepared by AECOM, December 2011)*

Summary - Cost Estimate to Build:

(\$ / Mile)

New	Prime Arterial	\$	31,211,000
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*County of San Diego*  
*Transportation Impact Fee Program (TIF) Update*  
**FACILITY COST ANALYSIS**  
*(Prepared by AECOM, December 2011)*

Summary - Cost Estimate to Build:

(\$ / Mile)

New	Expressway	\$	34,866,000
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**Appendix E**

**ME Improvement Costs For TIF and Non-TIF Improvements**

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**Appendix E -Mobility Element Improvements Costs for Both TIF and Non-TIF Improvements**

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost	
South	Alpine	ALPINE	RAMP I-8 EB	RAMP I-8 EB	RAS	0.07	Light Collector	2.2C	\$0.00	4.1B	\$0.49	Y	\$0.49	
South	Alpine	ALPINE	RAMP I-8 EB	ARNOLD	RAS	0.59	Light Collector	2.2C	\$0.00	4.1B	\$4.16	Y	\$4.16	
South	Alpine	ALPINE	TAVERN	UNKNOWN	RAS	0.05	Light Collector	2.2E	\$0.00	2.2A	\$0.24	Y	\$0.24	
South	Alpine	ALPINE	UNKNOWN	ZONE CONNECTOR	RAS	0.17	Light Collector	2.2E	\$0.00	2.2A	\$0.83	Y	\$0.83	
South	Alpine	ALPINE	ZONE CONNECTOR	ZONE CONNECTOR	RAS	0.18	Light Collector	2.2A	\$0.88	2.2A	\$0.88	N	\$0.00	
South	Alpine	ALPINE	ZONE CONNECTOR	UNKNOWN	RAS	0.14	Light Collector	2.2A	\$0.69	2.2A	\$0.69	N	\$0.00	
South	Alpine	ALPINE	UNKNOWN	UNKNOWN	RAS	0.08	Light Collector	2.2A	\$0.39	2.2A	\$0.39	N	\$0.00	
South	Alpine	ALPINE	UNKNOWN	WEST VICTORIA	RAS	0.07	Light Collector	2.2A	\$0.34	2.2A	\$0.34	N	\$0.00	
South	Alpine	ALPINE	WEST VICTORIA	ELTINGE	RAS	0.05	Light Collector	2.2A	\$0.24	2.2A	\$0.24	N	\$0.00	
South	Alpine	ALPINE	ELTINGE	ALPINE MHP	RAS	0.29	Light Collector	2.2A	\$1.42	2.2A	\$1.42	N	\$0.00	
South	Alpine	ALPINE	ALPINE MHP	BAY MEADOWS	RAS	0.11	Light Collector	2.2A	\$0.54	2.2A	\$0.54	N	\$0.00	
South	Alpine	ALPINE	BAY MEADOWS	PADRE DAM/DANATOS	RAS	0.20	Light Collector	2.2A	\$0.98	2.2A	\$0.98	N	\$0.00	
South	Alpine	ALPINE	PADRE DAM/DANATOS	ROCK	RAS	0.10	Light Collector	2.2E	\$0.00	2.2A	\$0.49	Y	\$0.49	
South	Alpine	ALPINE	ROCK	RAMP I-8 EB	RAS	0.09	Light Collector	2.2E	\$0.00	2.2A	\$0.44	Y	\$0.44	
South	Alpine	ALPINE	RAMP I-8 EB	SO GRADE/E VICTORIA	RAS	0.07	Light Collector	2.2E	\$0.00	2.2A	\$0.34	Y	\$0.34	
South	Alpine	ARNOLD	SOUTH GRADE	MIDWAY	Local	0.63	Light Collector	2.2F	\$0.31	2.2F	\$0.31	N	\$0.00	
South	Alpine	ARNOLD	MIDWAY	BLUE LILAC	Local	0.48	Light Collector	2.2F	\$0.23	2.2F	\$0.23	N	\$0.00	
South	Alpine	ARNOLD	BLUE LILAC	FOSS	Local	0.29	Light Collector	2.2F	\$0.14	2.2F	\$0.14	N	\$0.00	
South	Alpine	ARNOLD	FOSS	TAVERN	ALPINE GROVE	Local	0.10	Light Collector	2.2E	\$0.00	2.2A	\$0.49	Y	\$0.49
South	Alpine	ARNOLD	TAVERN	ALPINE VILAGE	Local	0.19	Light Collector	2.2E	\$0.00	2.2A	\$0.93	Y	\$0.93	
South	Alpine	ARNOLD	ALPINE VILAGE	OLIVEWOOD	Local	0.13	Light Collector	2.2E	\$0.00	2.2A	\$0.64	Y	\$0.64	
South	Alpine	ARNOLD	OLIVEWOOD	WEST VICTORIA	Local	0.11	Light Collector	2.2E	\$0.00	2.2A	\$0.54	Y	\$0.54	
South	Alpine	CITRANO LN	UNKNOWN	TAVERN	Local	0.33	New	2.3A	\$3.96	2.3A	\$3.96	N	\$0.00	
South	Alpine	CITRANO LN	TAVERN	UNKNOWN	Local	0.41	New	2.3A	\$4.92	2.3A	\$4.92	N	\$0.00	
South	Alpine	EAST VICTORIA	NORTH VICTORIA	ZONE CONNECTOR	Local	0.57	Light Collector	2.2F	\$0.28	2.2F	\$0.28	N	\$0.00	
South	Alpine	EAST VICTORIA	ZONE CONNECTOR	OTTO	Local	0.22	Light Collector	2.2F	\$0.11	2.2F	\$0.11	N	\$0.00	
South	Alpine	HARBISON CANYON	ARNOLD	UNKNOWN	Local	0.44	Light Collector	2.2E	\$0.00	2.2A	\$2.15	Y	\$2.15	
South	Alpine	HARBISON CANYON	UNKNOWN	BULLARD	Local	0.23	Light Collector	2.2E	\$0.00	2.2A	\$1.13	Y	\$1.13	
South	Alpine	JAPATUL	DEHESA	VIA ASOLEADO	Local	0.20	Light Collector	2.2F	\$0.10	2.2F	\$0.10	N	\$0.00	
South	Alpine	JAPATUL	VIA ASOLEADO	UNKNOWN	Local	2.42	Light Collector	2.2F	\$1.17	2.2F	\$1.17	N	\$0.00	
South	Alpine	JAPATUL	UNKNOWN	SC 780	Local	1.69	Light Collector	2.2F	\$0.82	2.2F	\$0.82	N	\$0.00	
South	Alpine	JAPATUL	SC 780	MARIAH	Local	2.08	Light Collector	2.2F	\$1.01	2.2F	\$1.01	N	\$0.00	
South	Alpine	JAPATUL	MARIAH	LYONS VALLEY	Local	0.65	Light Collector	2.2F	\$0.32	2.2F	\$0.32	N	\$0.00	
South	Alpine	JAPATUL VALLEY	ZONE CONNECTOR	AVNDA DE LOS ARBOLES	Local	0.59	Light Collector	2.2F	\$0.29	2.2F	\$0.29	N	\$0.00	
South	Alpine	JAPATUL VALLEY	AVNDA DE LOS ARBOLES	JAPATUL	Local	1.80	Light Collector	2.2F	\$0.87	2.2F	\$0.87	N	\$0.00	
South	Alpine	JAPATUL VALLEY	JAPATUL	LYONS VALLEY	Local	2.00	Light Collector	2.2F	\$0.97	2.2F	\$0.97	N	\$0.00	
South	Alpine	JAPATUL VALLEY	LYONS VALLEY	UNKNOWN	Local	2.33	Light Collector	2.2F	\$1.13	2.2F	\$1.13	N	\$0.00	
South	Alpine	LYONS VALLEY	UNKNOWN	JAPATUL	Local	1.39	Light Collector	2.2F	\$0.67	2.2F	\$0.67	N	\$0.00	
South	Alpine	LYONS VALLEY	JAPATUL	SNEATH	Local	0.30	Light Collector	2.2F	\$0.15	2.2F	\$0.15	N	\$0.00	
South	Alpine	LYONS VALLEY	SNEATH	STARBRIGHT	Local	0.30	Light Collector	2.2F	\$0.15	2.2F	\$0.15	N	\$0.00	
South	Alpine	NORTH VICTORIA	NORTH VICTORIA	STARBRIGHT	Local	0.30	Light Collector	2.2F	\$0.15	2.2F	\$0.15	N	\$0.00	
South	Alpine	NORTH VICTORIA	STARBRIGHT	PEUTZ VALLEY	Local	0.07	Light Collector	2.2F	\$0.03	2.2F	\$0.03	N	\$0.00	
South	Alpine	NORTH VICTORIA	PEUTZ VALLEY	UNKNOWN	Local	0.23	Light Collector	2.2F	\$0.11	2.2F	\$0.11	N	\$0.00	
South	Alpine	NORTH VICTORIA	UNKNOWN	EAST VICTORIA	Local	0.23	Light Collector	2.2F	\$0.11	2.2F	\$0.11	N	\$0.00	
South	Alpine	OLDE 80	SILVA	DUNBAR	Local	0.27	Light Collector	2.2E	\$0.00	2.2B	\$0.92	Y	\$0.92	
South	Alpine	SC 1930	DUNBAR	UNKNOWN	Local	0.10	New	2.3C	\$1.20	2.3C	\$1.20	N	\$0.00	
South	Alpine	TAVERN	TABERNA VISTA	TABERNA VISTA	Regional	0.23	Town Collector	2.2C	\$0.00	4.1A	\$1.84	Y	\$1.84	
South	Alpine	TAVERN	TABERNA VISTA	VICTORIA MEADOWS	Regional	0.37	Town Collector	2.2C	\$0.00	4.1A	\$2.95	Y	\$2.95	
South	Alpine	TAVERN	VICTORIA MEADOWS	RAMP I-8 WB	Regional	0.03	Town Collector	2.2C	\$0.00	4.1A	\$0.24	Y	\$0.24	
South	Alpine	TAVERN	RAMP I-8 WB	RAMP I-8 HOV EB	Regional	0.17	Town Collector	4.1B	\$0.63	4.1A	\$1.36	Y	\$0.72	
South	Alpine	TAVERN	RAMP I-8 HOV EB	RAMP	Regional	0.06	Town Collector	4.1B	\$0.22	4.1A	\$0.48	Y	\$0.26	
South	Alpine	TAVERN	RAMP	ALPINE	Regional	0.04	Town Collector	4.1B	\$0.15	4.1A	\$0.32	Y	\$0.17	
South	Alpine	TAVERN	ALPINE	ALPINE CREEK CENTER	Regional	0.07	Collector	4.1B	\$0.00	4.1A	\$0.34	Y	\$0.34	
South	Alpine	TAVERN	ALPINE CREEK CENTER	ADMINISTRATION	Regional	0.17	Collector	4.1B	\$0.00	4.1A	\$0.82	Y	\$0.82	

**Appendix E -Mobility Element Improvements Costs for Both TIF and Non-TIF Improvements**

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
South	Alpine	TAVERN	ADMINISTRATION	ARNOLD	Regional	0.03	Collector	4.1B	\$0.00	4.1A	\$0.14	Y	\$0.14
South	Alpine	VICTORIA PARK	TAVERN	LARKSPUR	Local	0.23	New	2.2E	\$2.93	2.2A	\$3.73	Y	\$0.80
South	Alpine	VICTORIA PARK	LARKSPUR	GENTIAN	Local	0.17	New	2.2E	\$2.17	2.2A	\$2.75	Y	\$0.59
South	Alpine	VICTORIA PARK	UNKNOWN	WEST VICTORIA	Local	0.25	Light Collector	2.2E	\$0.00	2.2A	\$1.22	Y	\$1.22
South	Alpine	WEST VICTORIA	NORTH VICTORIA	VICTORIA CIRCLE	Local	0.39	Light Collector	2.2F	\$0.19	2.2F	\$0.19	N	\$0.00
South	Alpine	WEST VICTORIA	VICTORIA CIRCLE	VICTORIA PARK	Local	0.10	Light Collector	2.2F	\$0.05	2.2F	\$0.05	N	\$0.00
South	Alpine	WILLOWS	VIEJAS GRADE	UNKNOWN	RAS	0.62	Light Collector	4.2A	\$6.80	4.2A	\$6.80	N	\$0.00
South	Alpine	WILLOWS	UNKNOWN	VIEJAS ROW	RAS	0.35	Light Collector	4.2A	\$3.84	4.2A	\$3.84	N	\$0.00
South	Alpine	WILLOWS	RAMP I-8 WB	RAMP I-8 EB	RAS	0.12	Collector	4.1B	\$0.00	4.1A	\$0.58	Y	\$0.58
South	Alpine	WILLOWS	RAMP I-8 EB	ALPINE	RAS	0.03	Light Collector	2.2E	\$0.00	4.1A	\$0.34	Y	\$0.34
South	County Islands	EUCLID	24TH	RIDGEWAY	RAS	0.18	Collector	4.1B	\$0.00	4.1A	\$0.87	Y	\$0.87
South	County Islands	EUCLID	RIDGEWAY	NORTH OF SWEETWATER	RAS	0.01	Light Collector	4.1B	\$0.07	4.1A	\$0.11	Y	\$0.04
South	County Islands	EUCLID	RIDGEWAY	NORTH OF SWEETWATER	RAS	0.29	Light Collector	4.1B	\$2.05	4.1A	\$3.30	Y	\$1.25
South	County Islands	EUCLID	NORTH OF SWEETWATER	SWEETWATER	RAS	0.03	Light Collector	4.1B	\$0.21	4.1A	\$0.34	Y	\$0.13
South	County Islands	MIRAMAR		RAMP I-15 NB	RAMP I-15 SB	RAS	0.09	Collector	4.1A	\$0.43	4.1A	\$0.43	N
South	County Islands	POMERADO	WILLOW CREEK	UNKNOWN	RAS	0.52	Town Collector	4.1A	\$4.15	4.1A	\$4.15	N	\$0.00
South	County Islands	POMERADO	UNKNOWN	RAMP I-15 NB	RAS	0.06	Light Collector	4.1A	\$0.68	4.1A	\$0.68	N	\$0.00
South	County Islands	POMERADO	RAMP I-15 NB	RAMP I-15 NB	RAS	0.11	Town Collector	4.1A	\$0.88	4.1A	\$0.88	N	\$0.00
South	County Islands	SWEETWATER	RAMP I-805 SB	RAMP I-805 NB	RAS	0.05	Collector	6.2	\$0.65	6.2	\$0.65	N	\$0.00
South	County Islands	SWEETWATER	RAMP I-805 NB	OLIVE	RAS	0.07	Collector	6.2	\$0.91	6.2	\$0.91	N	\$0.00
South	County Islands	SWEETWATER	OLIVE	ORANGE	RAS	0.04	Collector	6.2	\$0.52	6.2	\$0.52	N	\$0.00
South	Crest-Dehesa	CREST	SUNCREST	SOUTH	Local	0.36	Light Collector	2.2F	\$0.17	2.2F	\$0.17	N	\$0.00
South	Crest-Dehesa	DEHESA	GRANITE HILLS	CALLE ENCANTO	RAS	0.32	Light Collector	2.2C	\$0.00	4.1B	\$2.26	Y	\$2.26
South	Crest-Dehesa	DEHESA	CALLE ENCANTO	VISTA GRANDE	RAS	0.32	Light Collector	2.2C	\$0.00	4.1B	\$2.26	Y	\$2.26
South	Crest-Dehesa	DEHESA	VISTA GRANDE	SINGING TRAILS	RAS	0.44	Light Collector	2.2C	\$0.00	4.1B	\$3.11	Y	\$3.11
South	Crest-Dehesa	DEHESA	SINGING TRAILS	DEHESA-NEW	RAS	0.12	Light Collector	2.2C	\$0.00	4.1B	\$0.85	Y	\$0.85
South	Crest-Dehesa	DEHESA	DEHESA-NEW	WILLOW GLEN	RAS	0.04	Light Collector	2.2C	\$0.00	4.1B	\$0.28	Y	\$0.28
South	Crest-Dehesa	DEHESA	WILLOW GLEN	ZONE CONNECTOR	RAS	0.42	Light Collector	2.1A	\$1.72	4.1B	\$2.96	Y	\$1.24
South	Crest-Dehesa	DEHESA	ZONE CONNECTOR	SYCUAN SUMMIT	RAS	0.57	Light Collector	2.1A	\$2.33	4.1B	\$4.02	Y	\$1.69
South	Crest-Dehesa	DEHESA	SYCUAN SUMMIT	UNKNOWN	RAS	0.81	Light Collector	2.1A	\$3.32	4.1B	\$5.72	Y	\$2.40
South	Crest-Dehesa	DEHESA	UNKNOWN	UNKNOWN	RAS	0.91	Light Collector	2.1A	\$3.73	4.1B	\$6.42	Y	\$2.70
South	Crest-Dehesa	DEHESA	UNKNOWN	HARBISON CANYON	RAS	0.51	Light Collector	2.1A	\$2.09	4.1B	\$3.60	Y	\$1.51
South	Crest-Dehesa	DEHESA	HARBISON CANYON	ZONE CONNECTOR	RAS	0.25	Light Collector	2.1A	\$1.02	4.1B	\$1.76	Y	\$0.74
South	Crest-Dehesa	DEHESA	ZONE CONNECTOR	SYCUAN	RAS	0.48	Light Collector	2.1A	\$1.97	4.1B	\$3.39	Y	\$1.42
South	Crest-Dehesa	DEHESA-NEW	DEHESA	DEHESA	RAS	0.45	Light Collector	2.2C	\$0.00	4.1B	\$3.18	Y	\$3.18
South	Crest-Dehesa	GRANITE HILLS	LEXINGTON	WASHINGTON	Regional	0.31	Light Collector	2.2E	\$0.00	4.1B	\$2.19	Y	\$2.19
South	Crest-Dehesa	GRANITE HILLS	MELODY	LEXINGTON	Regional	0.26	Light Collector	2.2E	\$0.00	4.1B	\$1.83	Y	\$1.83
South	Crest-Dehesa	GRANITE HILLS	04TH	MELODY	Regional	0.02	Light Collector	2.2E	\$0.00	4.1B	\$0.14	Y	\$0.14
South	Crest-Dehesa	GRANITE HILLS	04TH	MELODY	Regional	0.02	Light Collector	2.2E	\$0.00	4.1B	\$0.14	Y	\$0.14
South	Crest-Dehesa	GRANITE HILLS	04TH	MELODY	Regional	0.12	Light Collector	2.2E	\$0.00	4.1B	\$0.85	Y	\$0.85
South	Crest-Dehesa	GREENFIELD	BERMUDA LANE	CANDLE	Regional	0.06	Light Collector	4.1B	\$0.42	4.1B	\$0.42	N	\$0.00
South	Crest-Dehesa	GREENFIELD	CANDLE	SYCAMORE	Regional	0.08	Light Collector	4.1B	\$0.56	4.1B	\$0.56	N	\$0.00
South	Crest-Dehesa	GREENFIELD	SYCAMORE	LA CRESTA	Regional	0.15	Light Collector	4.1B	\$1.06	4.1B	\$1.06	N	\$0.00
South	Crest-Dehesa	GREENFIELD	LA CRESTA	ZONE CONNECTOR	Regional	0.24	Light Collector	2.2E	\$0.00	4.1B	\$1.69	Y	\$1.69
South	Crest-Dehesa	GREENFIELD	ZONE CONNECTOR	MADISON	Regional	0.23	Light Collector	2.2E	\$0.00	4.1B	\$1.62	Y	\$1.62
South	Crest-Dehesa	LA CRESTA	MOUNTAIN VIEW	BURDETT	Local	0.31	Light Collector	2.2F	\$0.15	2.2F	\$0.15	N	\$0.00
South	Crest-Dehesa	LA CRESTA	BURDETT	NORTH	Local	0.23	Light Collector	2.2F	\$0.11	2.2F	\$0.11	N	\$0.00
South	Crest-Dehesa	SOUTH	SUNCREST	CREST	Local	0.27	Light Collector	2.2F	\$0.13	2.2F	\$0.13	N	\$0.00
South	Crest-Dehesa	SUNCREST	SOUTH	BEECH	Local	0.20	Light Collector	2.2F	\$0.10	2.2F	\$0.10	N	\$0.00
South	Crest-Dehesa	SUNCREST	BEECH	LENTO	Local	0.27	Light Collector	2.2F	\$0.13	2.2F	\$0.13	N	\$0.00
South	Crest-Dehesa	SUNCREST	LENTO	CREST	Local	0.08	Light Collector	2.2F	\$0.04	2.2F	\$0.04	N	\$0.00
South	Crest-Dehesa	SUNCREST	CREST	LA CRESTA	Local	0.11	Light Collector	2.2F	\$0.05	2.2F	\$0.05	N	\$0.00

**Appendix E -Mobility Element Improvements Costs for Both TIF and Non-TIF Improvements**

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
South	Jamul-Dulzura	CAMPO	ZONE CONNECTOR	SR-94	State	0.08	Town Collector	4.1B	\$0.30	4.1A	\$0.64	Y	\$0.34
South	Jamul-Dulzura	CAMPO	SR-94	FAIR ACRES	State	0.19	Town Collector	4.1B	\$0.71	4.1A	\$1.52	Y	\$0.81
South	Jamul-Dulzura	CAMPO	FAIR ACRES	STEELE CANYON	State	0.29	Town Collector	4.1B	\$1.08	4.1A	\$2.32	Y	\$1.23
South	Jamul-Dulzura	CAMPO	STEELE CANYON	RANCHO MIGUEL	State	0.18	Town Collector	4.1B	\$0.67	4.1A	\$1.44	Y	\$0.77
South	Jamul-Dulzura	CAMPO	RANCHO MIGUEL	VISTA SAGE	State	1.13	Town Collector	4.1B	\$4.21	4.1A	\$9.02	Y	\$4.81
South	Jamul-Dulzura	CAMPO	VISTA SAGE	VISTA DIEGO	State	0.62	Town Collector	4.1B	\$2.31	4.1A	\$4.95	Y	\$2.64
South	Jamul-Dulzura	CAMPO	VISTA DIEGO	LYONS VALLEY	State	0.09	Town Collector	4.1B	\$0.34	4.1A	\$0.72	Y	\$0.38
South	Jamul-Dulzura	CAMPO	LYONS VALLEY	UNKNOWN	State	0.21	Town Collector	4.1B	\$0.78	4.1A	\$1.68	Y	\$0.89
South	Jamul-Dulzura	CAMPO	UNKNOWN	JEFFERSON	State	0.13	Town Collector	4.1B	\$0.48	4.1A	\$1.04	Y	\$0.55
South	Jamul-Dulzura	CAMPO	JEFFERSON	ZONE CONNECTOR	State	0.28	Town Collector	2.2C	\$0.00	4.1A	\$2.24	Y	\$2.24
South	Jamul-Dulzura	CAMPO	ZONE CONNECTOR	MAXFIELD	State	0.09	Town Collector	2.2C	\$0.00	4.1A	\$0.72	Y	\$0.72
South	Jamul-Dulzura	CAMPO	MAXFIELD	HILLSIDE	State	0.16	Town Collector	2.2C	\$0.00	4.1A	\$1.28	Y	\$1.28
South	Jamul-Dulzura	CAMPO	HILLSIDE	MELODY	State	0.35	Town Collector	2.2C	\$0.00	4.1A	\$2.79	Y	\$2.79
South	Jamul-Dulzura	JEFFERSON	LYONS VALLEY	OLIVE VISTA	Local	0.06	Light Collector	2.2E	\$0.00	2.2A	\$0.29	Y	\$0.29
South	Jamul-Dulzura	JEFFERSON	OLIVE VISTA	ZONE CONNECTOR	Local	0.18	Light Collector	2.2E	\$0.00	2.2A	\$0.88	Y	\$0.88
South	Jamul-Dulzura	JEFFERSON	ZONE CONNECTOR	PROCTOR VALLEY	Local	0.15	Light Collector	2.2E	\$0.00	2.2A	\$0.73	Y	\$0.73
South	Jamul-Dulzura	LYONS VALLEY	CAMPO	OLIVE VISTA	Local	0.19	Light Collector	2.2B	\$0.64	2.2B	\$0.64	N	\$0.00
South	Jamul-Dulzura	LYONS VALLEY	OLIVE VISTA	JEFFERSON	Local	0.18	Light Collector	2.2B	\$0.61	2.2B	\$0.61	N	\$0.00
South	Jamul-Dulzura	LYONS VALLEY	JEFFERSON	RESERVOIR	Local	0.19	Light Collector	2.2B	\$0.64	2.2B	\$0.64	N	\$0.00
South	Jamul-Dulzura	LYONS VALLEY	RESERVOIR	JAMUL	Local	0.18	Light Collector	2.2B	\$0.61	2.2B	\$0.61	N	\$0.00
South	Jamul-Dulzura	LYONS VALLEY	JAMUL	RIO GRANDE	Local	0.42	Light Collector	2.2B	\$1.43	2.2B	\$1.43	N	\$0.00
South	Jamul-Dulzura	LYONS VALLEY	RIO GRANDE	PEG LEG MINE	Local	0.06	Light Collector	2.2B	\$0.20	2.2B	\$0.20	N	\$0.00
South	Jamul-Dulzura	LYONS VALLEY	PEG LEG MINE	ROCKY SAGE	Local	0.24	Light Collector	2.2B	\$0.81	2.2B	\$0.81	N	\$0.00
South	Jamul-Dulzura	LYONS VALLEY	ROCKY SAGE	SC 760	Local	0.04	Light Collector	2.2B	\$0.14	2.2B	\$0.14	N	\$0.00
South	Jamul-Dulzura	LYONS VALLEY	SC 760	SKYLINE TRUCK	Local	0.12	Light Collector	2.2B	\$0.41	2.2B	\$0.41	N	\$0.00
South	Jamul-Dulzura	LYONS VALLEY	HONEY SPRINGS	BARRETT LAKE	Local	1.70	Light Collector	2.2F	\$0.82	2.2F	\$0.82	N	\$0.00
South	Jamul-Dulzura	LYONS VALLEY	BARRETT LAKE	UNKNOWN	Local	1.74	Light Collector	2.2F	\$0.84	2.2F	\$0.84	N	\$0.00
South	Jamul-Dulzura	LYONS VALLEY	UNKNOWN	UNKNOWN	Local	0.57	Light Collector	2.2F	\$0.28	2.2F	\$0.28	N	\$0.00
South	Jamul-Dulzura	SR-94	CAMPO	CAMPO	State	0.42	Town Collector	4.1B	\$1.57	4.1A	\$3.35	Y	\$1.79
South	Jamul-Dulzura	STEEL CANYON	OLD CALIFORNIA	VISTA CIELO	Regional	0.28	Light Collector	2.2E	\$0.00	4.1B	\$1.98	Y	\$1.98
South	Jamul-Dulzura	STEEL CANYON	VISTA CIELO	CAMPO	Regional	0.18	Light Collector	2.2E	\$0.00	4.1B	\$1.27	Y	\$1.27
South	Lakeside	ASHWOOD	WILLOW	ZONE CONNECTOR	Regional	0.43	Light Collector	4.1B	\$3.03	4.1A	\$4.89	Y	\$1.86
South	Lakeside	ASHWOOD	ZONE CONNECTOR	ZONE CONNECTOR	Regional	0.38	Light Collector	4.1B	\$2.68	4.1A	\$4.32	Y	\$1.64
South	Lakeside	ASHWOOD	ZONE CONNECTOR	MAPLEVIEW	Regional	0.18	Light Collector	4.1B	\$1.27	4.1A	\$2.05	Y	\$0.78
South	Lakeside	BALLANTYNE	GRAVES	HART	Regional	0.13	Light Collector	2.2E	\$0.00	4.2B	\$0.92	Y	\$0.92
South	Lakeside	BALLANTYNE	HART	BROADWAY	Regional	0.07	Light Collector	2.2C	\$0.00	4.2B	\$0.50	Y	\$0.50
South	Lakeside	BRADLEY	MAGNOLIA	RAMP SR-67 SB	RAS	0.06	Light Collector	4.1B	\$0.42	4.1B	\$0.42	N	\$0.00
South	Lakeside	BRADLEY	RAMP SR-67 SB	RAMP SR-67 NB	RAS	0.08	Light Collector	4.1B	\$0.56	4.1B	\$0.56	N	\$0.00
South	Lakeside	BRADLEY	RAMP SR-67 NB	GRAVES	RAS	0.05	Light Collector	4.1B	\$0.35	4.1B	\$0.35	N	\$0.00
South	Lakeside	BRADLEY	GRAVES	201	RAS	0.11	Light Collector	4.1B	\$0.78	4.1B	\$0.78	N	\$0.00
South	Lakeside	BRADLEY	201	325/360	RAS	0.09	Light Collector	4.1B	\$0.64	4.1B	\$0.64	N	\$0.00
South	Lakeside	BRADLEY	325/360	450/465-MHP/469	MOLLISON	0.12	Light Collector	4.1B	\$0.85	4.1B	\$0.85	N	\$0.00
South	Lakeside	BRADLEY	450/465-MHP/469	01ST	RAS	0.10	Light Collector	4.1B	\$0.71	4.1B	\$0.71	N	\$0.00
South	Lakeside	BRADLEY	UNKNOWN	SOMERLANE	RAS	0.12	Light Collector	4.1B	\$0.85	4.1B	\$0.85	N	\$0.00
South	Lakeside	BRADLEY	01ST	SC 1930	Local	0.36	New	4.1B	\$7.40	4.1B	\$7.40	N	\$0.00
South	Lakeside	BROAD OAKS	HAWLEY	SC 1930	Local	0.54	New	2.3C	\$6.48	2.3C	\$6.48	N	\$0.00
South	Lakeside	GRAVES	PEPPER	DANNY	Regional	0.23	Light Collector	4.1B	\$1.62	4.1B	\$1.62	N	\$0.00
South	Lakeside	GRAVES	DANNY	BRADLEY	Regional	0.21	Light Collector	4.1B	\$1.48	4.1B	\$1.48	N	\$0.00
South	Lakeside	I-8 BUSINESS	12970-RANCH VALLEY	LAVALA	Regional	0.15	Light Collector	2.2C	\$0.00	4.2B	\$1.07	Y	\$1.07
South	Lakeside	I-8 BUSINESS	13162(TERRACE VIEW)	12970-RANCH VALLEY	Regional	0.18	Light Collector	2.2C	\$0.00	4.2B	\$1.28	Y	\$1.28
South	Lakeside	I-8 BUSINESS	JACKSON HILL	13162(TERRACE VIEW)	Regional	0.13	Light Collector	2.2C	\$0.00	4.2B	\$0.92	Y	\$0.92
South	Lakeside	I-8 BUSINESS	13162	JACKSON HILL	Regional	0.13	Light Collector	2.2E	\$0.00	4.2B	\$0.92	Y	\$0.92

**Appendix E -Mobility Element Improvements Costs for Both TIF and Non-TIF Improvements**

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
South	Lakeside	I-8 BUSINESS	UNKNOWN	13162	Regional	0.17	Light Collector	2.2E	\$0.00	4.2B	\$1.21	Y	\$1.21
South	Lakeside	I-8 BUSINESS	LOS COCHES/CM CANADA	UNKNOWN	Regional	0.16	Light Collector	2.2E	\$0.00	4.2B	\$1.14	Y	\$1.14
South	Lakeside	I-8 BUSINESS	13439(VONS)	LOS COCHES/CM CANADA	Regional	0.04	Light Collector	2.2E	\$0.00	4.2B	\$0.28	Y	\$0.28
South	Lakeside	I-8 BUSINESS	WAL-MART	13439(VONS)	Regional	0.02	Light Collector	2.2E	\$0.00	4.2B	\$0.14	Y	\$0.14
South	Lakeside	I-8 BUSINESS	13450-LAMPLITER	WAL-MART	Regional	0.02	Light Collector	2.2E	\$0.00	4.2B	\$0.14	Y	\$0.14
South	Lakeside	I-8 BUSINESS	13460-PANARAMA	13450-LAMPLITER	Regional	0.07	Light Collector	2.2E	\$0.00	4.2B	\$0.50	Y	\$0.50
South	Lakeside	I-8 BUSINESS	13468	13460-PANARAMA	Regional	0.14	Light Collector	2.2E	\$0.00	4.2B	\$1.00	Y	\$1.00
South	Lakeside	I-8 BUSINESS	13490	13468	Regional	0.12	Light Collector	2.2E	\$0.00	4.2B	\$0.85	Y	\$0.85
South	Lakeside	I-8 BUSINESS	13545	13490	Regional	0.09	Light Collector	2.2E	\$0.00	4.2B	\$0.64	Y	\$0.64
South	Lakeside	I-8 BUSINESS	13594	13545	Regional	0.08	Light Collector	2.2E	\$0.00	4.2B	\$0.57	Y	\$0.57
South	Lakeside	I-8 BUSINESS	13655/LAKE VIEW	13594	Regional	0.14	Light Collector	2.2E	\$0.00	4.2B	\$1.00	Y	\$1.00
South	Lakeside	I-8 BUSINESS	13720(TWDW MHP)	13655/LAKE VIEW	Regional	0.14	Light Collector	2.2E	\$0.00	4.2B	\$1.00	Y	\$1.00
South	Lakeside	I-8 BUSINESS	LAKEVIEW/13754	13720(TWDW MHP)	Regional	0.09	Light Collector	2.2E	\$0.00	4.2B	\$0.64	Y	\$0.64
South	Lakeside	I-8 BUSINESS	13792(HILLS MHP)	LAKEVIEW/13754	Regional	0.08	Light Collector	2.2E	\$0.00	4.2B	\$0.57	Y	\$0.57
South	Lakeside	I-8 BUSINESS	PINKARD	13792(HILLS MHP)	Regional	0.15	Light Collector	2.2E	\$0.00	4.2B	\$1.07	Y	\$1.07
South	Lakeside	I-8 BUSINESS	UNKNOWN	PINKARD	Regional	0.08	Light Collector	2.2E	\$0.00	4.2B	\$0.57	Y	\$0.57
South	Lakeside	I-8 BUSINESS	LAKESIDE FIRE DEPT	UNKNOWN	Regional	0.13	Light Collector	2.2E	\$0.00	4.2B	\$0.92	Y	\$0.92
South	Lakeside	I-8 BUSINESS	UNKNOWN	LAKESIDE FIRE DEPT	Regional	0.16	Light Collector	2.2E	\$0.00	4.2B	\$1.14	Y	\$1.14
South	Lakeside	I-8 BUSINESS	LAKE JENNINGS PARK	UNKNOWN	Regional	0.17	Light Collector	2.2E	\$0.00	4.2B	\$1.21	Y	\$1.21
South	Lakeside	INDUSTRY	WINTER GARDENS	MAPLEVIEW	Regional	0.06	Light Collector	2.2E	\$0.00	4.1A	\$0.68	Y	\$0.68
South	Lakeside	LAKE JENNINGS PARK	MAPLEVIEW	PINO	RAS	0.16	Collector	4.1B	\$0.00	4.1A	\$0.77	Y	\$0.77
South	Lakeside	LAKE JENNINGS PARK	PINO	WINCHESTER	RAS	0.32	Collector	4.1B	\$0.00	4.1A	\$1.54	Y	\$1.54
South	Lakeside	LAKE JENNINGS PARK	WINCHESTER	EL MONTE	RAS	0.31	Collector	4.1B	\$0.00	4.1A	\$1.49	Y	\$1.49
South	Lakeside	LAKE JENNINGS PARK	EL MONTE	ZONE CONNECTOR	RAS	0.50	Light Collector	4.1B	\$3.53	4.1B	\$3.53	N	\$0.00
South	Lakeside	LAKE JENNINGS PARK	ZONE CONNECTOR	AMERICAN	RAS	0.37	Light Collector	4.1B	\$2.61	4.1B	\$2.61	N	\$0.00
South	Lakeside	LAKE JENNINGS PARK	AMERICAN	PINKARD	RAS	0.50	Light Collector	4.1B	\$3.53	4.1B	\$3.53	N	\$0.00
South	Lakeside	LAKE JENNINGS PARK	PINKARD	HARRITT	RAS	0.10	Light Collector	4.1B	\$0.71	4.1B	\$0.71	N	\$0.00
South	Lakeside	LAKE JENNINGS PARK	HARRITT	JENNINGS VISTA	RAS	0.03	Light Collector	4.1B	\$0.21	4.1B	\$0.21	N	\$0.00
South	Lakeside	LAKE JENNINGS PARK	JENNINGS VISTA	HWY 8/BLOSSOM VALLEY	RAS	0.08	Light Collector	4.1B	\$0.56	4.1B	\$0.56	N	\$0.00
South	Lakeside	LAKE JENNINGS PARK	HWY 8/BLOSSOM VALLEY	RAMP I-8 WB	RAS	0.05	Light Collector	4.1B	\$0.35	4.1B	\$0.35	N	\$0.00
South	Lakeside	LAKE JENNINGS PARK	RAMP I-8 WB	RAMP I-8 WB	RAS	0.03	Light Collector	4.1B	\$0.21	4.1B	\$0.21	N	\$0.00
South	Lakeside	LAKE JENNINGS PARK	RAMP I-8 WB	SIERRA ALTA	RAS	0.04	Light Collector	4.1B	\$0.28	4.1B	\$0.28	N	\$0.00
South	Lakeside	MAGNOLIA	AIRPORT	1681	Regional	0.15	Light Collector	4.1B	\$1.06	4.1B	\$1.06	N	\$0.00
South	Lakeside	MAGNOLIA	1681	DENNY	Regional	0.12	Light Collector	4.1B	\$0.85	4.1B	\$0.85	N	\$0.00
South	Lakeside	MAGNOLIA	BRADLEY	CYPRESS	Regional	0.15	Light Collector	4.1B	\$1.06	4.1B	\$1.06	N	\$0.00
South	Lakeside	MAGNOLIA	CYPRESS	UNKNOWN	Regional	0.17	Light Collector	4.1B	\$1.20	4.1B	\$1.20	N	\$0.00
South	Lakeside	MAGNOLIA	UNKNOWN	VERNON	Regional	0.14	Light Collector	4.1B	\$0.99	4.1B	\$0.99	N	\$0.00
South	Lakeside	MAPLEVIEW	ZONE CONNECTOR	INDUSTRY	Regional	0.15	New	2.2E	\$1.91	4.1A	\$3.40	Y	\$1.49
South	Lakeside	MAPLEVIEW	CHANNEL	ZONE CONNECTOR	Regional	0.24	New	2.2E	\$3.06	4.1A	\$5.45	Y	\$2.39
South	Lakeside	MAPLEVIEW	CHANNEL	RAMP SR-67 SB	Regional	0.17	Light Collector	2.2C	\$0.00	4.1A	\$1.93	Y	\$1.93
South	Lakeside	MAPLEVIEW	RAMP SR-67 SB	UNKNOWN	RAS	0.03	Light Collector	4.1A	\$0.34	4.1A	\$0.34	N	\$0.00
South	Lakeside	MAPLEVIEW	UNKNOWN	UNKNOWN	RAS	0.02	Light Collector	4.1A	\$0.23	4.1A	\$0.23	N	\$0.00
South	Lakeside	MAPLEVIEW	UNKNOWN	MAINE	RAS	0.03	Light Collector	4.1A	\$0.34	4.1A	\$0.34	N	\$0.00
South	Lakeside	MAPLEVIEW	MAINE	VINE	RAS	0.04	Light Collector	4.1A	\$0.46	4.1A	\$0.46	N	\$0.00
South	Lakeside	MAPLEVIEW	VINE	UNKNOWN	RAS	0.15	Collector	4.1A	\$0.72	4.1A	\$0.72	N	\$0.00
South	Lakeside	MAPLEVIEW	UNKNOWN	ASHWOOD	RAS	0.08	Collector	4.1A	\$0.39	4.1A	\$0.39	N	\$0.00
South	Lakeside	MAPLEVIEW	ASHWOOD	#NAME?	RAS	0.32	Collector	4.1B	\$0.00	4.1A	\$1.54	Y	\$1.54
South	Lakeside	MAST	LOS RANCHITOS	UNNAMED LKS	Regional	0.14	New	2.2C	\$1.79	4.1B	\$2.88	Y	\$1.09
South	Lakeside	MAST	UNNAMED LKS	UNKNOWN	Regional	0.22	New	2.2C	\$2.81	4.1B	\$4.52	Y	\$1.72
South	Lakeside	MAST	UNKNOWN	RIVERFORD	Regional	0.24	New	2.2C	\$3.06	4.1B	\$4.94	Y	\$1.87
South	Lakeside	OLDE 80	RAMP I-8 EB	PECAN PARK	Regional	0.03	Light Collector	4.1B	\$0.21	4.1B	\$0.21	N	\$0.00
South	Lakeside	OLDE 80	PECAN PARK	PECAN PARK	Regional	0.30	Light Collector	2.1A	\$1.23	4.1B	\$2.12	Y	\$0.89

**Appendix E -Mobility Element Improvements Costs for Both TIF and Non-TIF Improvements**

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
South	Lakeside	OLDE 80	PECAN PARK	14315/14328	Regional	0.07	Light Collector	2.1A	\$0.29	4.1B	\$0.49	Y	\$0.21
South	Lakeside	OLDE 80	14315/14328	BOND	Regional	0.08	Light Collector	2.1A	\$0.33	4.1B	\$0.56	Y	\$0.24
South	Lakeside	OLDE 80	BOND	ZONE CONNECTOR	Regional	0.20	Light Collector	2.1A	\$0.82	4.1B	\$1.41	Y	\$0.59
South	Lakeside	OLDE 80	ZONE CONNECTOR	CHIMNEY ROCK	Regional	0.09	Light Collector	2.1A	\$0.37	4.1B	\$0.64	Y	\$0.27
South	Lakeside	OLDE 80	CHIMNEY ROCK	UNKNOWN	Regional	0.21	Light Collector	2.2E	\$0.00	4.1B	\$1.48	Y	\$1.48
South	Lakeside	OLDE 80	UNKNOWN	MARINA SPRINGS	Regional	0.18	Light Collector	2.2E	\$0.00	4.1B	\$1.27	Y	\$1.27
South	Lakeside	OLDE 80	MARINA SPRINGS	LABRADOR	Local	0.24	Light Collector	2.2E	\$0.00	2.2B	\$0.81	Y	\$0.81
South	Lakeside	OLDE 80	LABRADOR	FLINN SPRINGS	Local	0.45	Light Collector	2.2E	\$0.00	2.2B	\$1.53	Y	\$1.53
South	Lakeside	OLDE 80	FLINN SPRINGS	15141 HOLIDAY R	Local	0.15	Light Collector	2.2E	\$0.00	2.2B	\$0.51	Y	\$0.51
South	Lakeside	OLDE 80	15141 HOLIDAY R	15353/OAK CREEK	Local	0.43	Light Collector	2.2E	\$0.00	2.2B	\$1.46	Y	\$1.46
South	Lakeside	OLDE 80	15353/OAK CREEK	15405/15420(MHP)	Local	0.12	Light Collector	2.2E	\$0.00	2.2B	\$0.41	Y	\$0.41
South	Lakeside	OLDE 80	15405/15420(MHP)	HAWLEY	Local	0.37	Light Collector	2.2E	\$0.00	2.2B	\$1.26	Y	\$1.26
South	Lakeside	OLDE 80	HAWLEY	SILVA	Local	0.54	Light Collector	2.2E	\$0.00	2.2B	\$1.83	Y	\$1.83
South	Lakeside	OLDE 80	SILVA	DUNBAR	Local	0.08	Light Collector	2.2E	\$0.00	2.2B	\$0.27	Y	\$0.27
South	Lakeside	PEPPER	SOMERLANE	02ND/WINTER GARDENS	RAS	0.09	Light Collector	4.1B	\$0.64	4.1B	\$0.64	N	\$0.00
South	Lakeside	PEPPER	SOMERLANE	02ND/WINTER GARDENS	RAS	0.16	Light Collector	4.1B	\$1.13	4.1B	\$1.13	N	\$0.00
South	Lakeside	RIVERFORD	RIVERSIDE/MAST	UNKNOWN	Regional	0.10	Town Collector	2.1A	\$0.09	6.2	\$2.22	Y	\$2.14
South	Lakeside	RIVERFORD	UNKNOWN	WOODSIDE(N)	Regional	0.22	Town Collector	2.1A	\$0.19	6.2	\$4.89	Y	\$4.70
South	Lakeside	RIVERFORD	WOODSIDE(N)	RAMP SR-67 SB	Regional	0.04	Town Collector	2.1A	\$0.04	6.2	\$0.89	Y	\$0.85
South	Lakeside	RIVERFORD	RAMP SR-67 SB	WOODSIDE	Regional	0.09	Town Collector	2.2C	\$0.00	4.1B	\$0.34	Y	\$0.34
South	Lakeside	RIVERSIDE	RIVERFORD	PALM ROW	Regional	0.28	Light Collector	2.1A	\$1.15	4.1B	\$1.98	Y	\$0.83
South	Lakeside	RIVERSIDE	PALM ROW	VISTA CAMINO	Regional	0.21	Light Collector	2.1A	\$0.86	4.1B	\$1.48	Y	\$0.62
South	Lakeside	RIVERSIDE	VISTA CAMINO	CHARLESTON BAY	Regional	0.18	Light Collector	2.2C	\$0.00	4.1B	\$1.27	Y	\$1.27
South	Lakeside	RIVERSIDE	CHARLESTON BAY	VALLE VISTA BYPASS	Regional	0.14	Light Collector	2.2C	\$0.00	4.1B	\$0.99	Y	\$0.99
South	Lakeside	RIVERSIDE	VALLE VISTA BYPASS	VALLE VISTA BYPASS	Regional	0.04	Light Collector	2.2C	\$0.00	4.1B	\$0.28	Y	\$0.28
South	Lakeside	RIVERSIDE	VALLE VISTA BYPASS	LAKESIDE	Regional	0.14	Light Collector	2.2C	\$0.00	4.1B	\$0.99	Y	\$0.99
South	Lakeside	SIERRA ALTA	RAMP I-8 EB	OLDE 80	RAS	0.03	Light Collector	2.2E	\$0.00	4.1B	\$0.21	Y	\$0.21
South	Lakeside	SIERRA ALTA	RAMP I-8 EB	RAMP I-8 EB	RAS	0.03	Light Collector	2.2E	\$0.00	4.1B	\$0.21	Y	\$0.21
South	Lakeside	SIERRA ALTA	LAKE JENNINGS PARK	RAMP I-8 EB	RAS	0.03	Light Collector	4.1B	\$0.21	4.1B	\$0.21	N	\$0.00
South	Lakeside	SR-67	SCRIPPS POWAY	SYCAMORE PARK	State	0.69	Town Collector	4.1A	\$5.51	4.1A	\$5.51	N	\$0.00
South	Lakeside	SR-67	SYCAMORE PARK	UNKNOWN	State	0.39	Town Collector	4.1A	\$3.11	4.1A	\$3.11	N	\$0.00
South	Lakeside	SR-67	UNKNOWN	UNKNOWN	State	1.12	Town Collector	4.1A	\$8.94	4.1A	\$8.94	N	\$0.00
South	Lakeside	SR-67	SLAUGHTERHOUSE CNYN	VIGILANTE	State	0.23	Light Collector	4.1A	\$2.62	4.1A	\$2.62	N	\$0.00
South	Lakeside	SR-67	VIGILANTE	UNKNOWN	State	0.24	Light Collector	4.1A	\$2.73	4.1A	\$2.73	N	\$0.00
South	Lakeside	SR-67	UNKNOWN	JOHNSON LAKE	State	0.35	Light Collector	4.1A	\$3.98	4.1A	\$3.98	N	\$0.00
South	Lakeside	SR-67	JOHNSON LAKE	POST HILL	State	0.70	Light Collector	4.1A	\$7.96	4.1A	\$7.96	N	\$0.00
South	Lakeside	SR-67	POST HILL	ZONE CONNECTOR	State	0.62	Light Collector	4.1A	\$7.05	4.1A	\$7.05	N	\$0.00
South	Lakeside	SR-67	ZONE CONNECTOR	UNKNOWN	State	0.40	Light Collector	4.1A	\$4.55	4.1A	\$4.55	N	\$0.00
South	Lakeside	SR-67	UNKNOWN	WILLOW	State	0.13	Light Collector	4.1A	\$1.48	4.1A	\$1.48	N	\$0.00
South	Lakeside	SR-67	WILLOW	UNKNOWN	State	0.15	New	4.1A	\$3.40	4.1A	\$3.40	N	\$0.00
South	Lakeside	SR-67	UNKNOWN	UNKNOWN	State	0.38	Light Collector	4.1A	\$4.32	4.1A	\$4.32	N	\$0.00
South	Lakeside	UNNAMED LKS	EL NOPAL	MAST	Local	0.24	New	2.2E	\$3.06	2.2E	\$3.06	N	\$0.00
South	Lakeside	WILLOW NEW	WILLOW	LAKESIDE	RAS	0.32	New	2.2E	\$4.08	2.2E	\$4.08	N	\$0.00
South	Lakeside	WINTER GARDENS	INDUSTRY	RAMP	Regional	0.03	Collector	4.1B	\$0.00	4.1A	\$0.14	Y	\$0.14
South	Lakeside	WINTER GARDENS	RAMP	RAMP SR-67 SB	RAS	0.01	Collector	4.1B	\$0.00	4.1A	\$0.05	Y	\$0.05
South	Lakeside	WINTER GARDENS	RAMP SR-67 SB	RAMP SR-67 SB	RAS	0.03	Collector	4.1B	\$0.00	4.1A	\$0.14	Y	\$0.14
South	Lakeside	WINTER GARDENS	RAMP SR-67 SB	RAMP SR-67 NB	RAS	0.10	Collector	4.1B	\$0.00	4.1A	\$0.48	Y	\$0.48
South	Lakeside	WINTER GARDENS	RAMP SR-67 NB	WOODSIDE	RAS	0.09	Collector	4.1B	\$0.00	4.1A	\$0.43	Y	\$0.43
South	Lakeside	WINTER GARDENS	LEMON CREST	ZONE CONNECTOR	RAS	0.12	Collector	4.1B	\$0.00	4.1A	\$0.58	Y	\$0.58
South	Lakeside	WINTER GARDENS	ZONE CONNECTOR	ROCKCREST	RAS	0.09	Collector	4.1B	\$0.00	4.1A	\$0.43	Y	\$0.43
South	Lakeside	WINTER GARDENS	ROCKCREST	FAIR	RAS	0.39	Collector	4.1B	\$0.00	4.1A	\$1.88	Y	\$1.88
South	Lakeside	WINTER GARDENS	FAIR	GAY RIO	RAS	0.16	Collector	4.1B	\$0.00	4.1A	\$0.77	Y	\$0.77

**Appendix E -Mobility Element Improvements Costs for Both TIF and Non-TIF Improvements**

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
South	Lakeside	WINTER GARDENS	GAY RIO	CREEKFORD	RAS	0.03	Collector	4.1B	\$0.00	4.1A	\$0.14	Y	\$0.14
South	Lakeside	WINTER GARDENS	CREEKFORD	8755/8760	RAS	0.19	Collector	4.1B	\$0.00	4.1A	\$0.92	Y	\$0.92
South	Lakeside	WINTER GARDENS	8755/8760	8661-MHP	RAS	0.10	Collector	4.1B	\$0.00	4.1A	\$0.48	Y	\$0.48
South	Lakeside	WINTER GARDENS	8661-MHP	SAPOTA	RAS	0.21	Collector	4.1B	\$0.00	4.1A	\$1.01	Y	\$1.01
South	Lakeside	WINTER GARDENS	SAPOTA	GOLDEN RIDGE	RAS	0.13	Collector	4.1B	\$0.00	4.1A	\$0.63	Y	\$0.63
South	Lakeside	WINTER GARDENS	GOLDEN RIDGE	SHORT/ORCHARD	RAS	0.24	Collector	4.1B	\$0.00	4.1A	\$1.16	Y	\$1.16
South	Lakeside	WINTER GARDENS	SHORT/ORCHARD	ROYAL	RAS	0.13	Collector	4.1B	\$0.00	4.1A	\$0.63	Y	\$0.63
South	Lakeside	WINTER GARDENS	ROYAL	PEPPER	RAS	0.24	Collector	4.1B	\$0.00	4.1A	\$1.16	Y	\$1.16
South	Lakeside	WOODSIDE	SECURITY	RAMP SR-67 NB	Regional	0.03	Light Collector	4.2A	\$0.33	4.2A	\$0.33	N	\$0.00
South	Lakeside	WOODSIDE	RAMP SR-67 NB	RIVERFORD	Regional	0.06	Light Collector	4.2A	\$0.66	4.2A	\$0.66	N	\$0.00
South	Lakeside	WOODSIDE	RIVERFORD	RAMP SR-67 NB	Regional	0.06	Light Collector	2.2C	\$0.00	4.2A	\$0.66	Y	\$0.66
South	Lakeside	WOODSIDE	RAMP SR-67 NB	UNKNOWN	Regional	0.19	Light Collector	2.2C	\$0.00	4.2A	\$2.08	Y	\$2.08
South	Lakeside	WOODSIDE	UNKNOWN	MARILLA	Regional	0.11	Light Collector	2.2C	\$0.00	4.2A	\$1.21	Y	\$1.21
South	Lakeside	WOODSIDE	MARILLA	UNKNOWN	Regional	0.10	Light Collector	2.2E	\$0.00	4.2A	\$1.10	Y	\$1.10
South	Lakeside	WOODSIDE	UNKNOWN	RIVERVIEW	Regional	0.11	Light Collector	2.2E	\$0.00	4.2A	\$1.21	Y	\$1.21
South	Lakeside	WOODSIDE	RIVERVIEW	11980/12001-APTS	Regional	0.18	Light Collector	2.2E	\$0.00	4.2A	\$1.98	Y	\$1.98
South	Lakeside	WOODSIDE	11980/12001-APTS	WINTER GARDENS	Regional	0.17	Light Collector	2.2E	\$0.00	4.2A	\$1.87	Y	\$1.87
South	Otay	AIRWAY	FARADAY	ENRICO FERMI	Regional	0.24	Light Collector	2.2E	\$0.00	4.1A	\$2.73	Y	\$2.73
South	Otay	AIRWAY	ENRICO FERMI	UNKNOWN	Regional	0.26	New	2.2E	\$3.31	4.1A	\$5.90	Y	\$2.59
South	Otay	AIRWAY	UNKNOWN	ALTA	Regional	0.25	New	2.2E	\$3.19	4.1A	\$5.67	Y	\$2.49
South	Otay	AIRWAY	ALTA	LOOP	Regional	0.35	New	2.2E	\$4.46	4.1A	\$7.94	Y	\$3.48
South	Otay	ALTA	LONE STAR	OTAY MESA	Regional	0.29	Light Collector	2.2E	\$0.00	4.1A	\$3.30	Y	\$3.30
South	Otay	ALTA	OTAY MESA	ZONE CONNECTOR	Regional	0.15	New	2.2E	\$1.91	4.1A	\$3.40	Y	\$1.49
South	Otay	ALTA	ZONE CONNECTOR	ZONE CONNECTOR	Regional	0.22	New	2.2E	\$2.80	4.1A	\$4.99	Y	\$2.19
South	Otay	ALTA	ZONE CONNECTOR	AIRWAY	Regional	0.13	New	2.2E	\$1.66	4.1A	\$2.95	Y	\$1.29
South	Otay	ALTA	AIRWAY	UNKNOWN	Regional	0.10	New	2.2E	\$1.27	4.1A	\$2.27	Y	\$1.00
South	Otay	ALTA	UNKNOWN	SIEMPRE VIVA	Regional	0.13	New	2.2E	\$1.66	4.1A	\$2.95	Y	\$1.29
South	Otay	ENRICO FERMI	OTAY MESA	LONE STAR	Regional	0.30	Light Collector	2.2E	\$0.00	4.1A	\$3.41	Y	\$3.41
South	Otay	ENRICO FERMI	OTAY MESA	ZONE CONNECTOR	Regional	0.10	Town Collector	4.1B	\$0.37	4.1A	\$0.80	Y	\$0.43
South	Otay	ENRICO FERMI	ZONE CONNECTOR	RAMP SR-11 WB	Regional	0.10	Town Collector	4.1B	\$0.37	4.1A	\$0.80	Y	\$0.43
South	Otay	ENRICO FERMI	RAMP SR-11 WB	RAMP SR-11 EB	Regional	0.09	Town Collector	4.1B	\$0.34	4.1A	\$0.72	Y	\$0.38
South	Otay	ENRICO FERMI	RAMP SR-11 EB	ZONE CONNECTOR	Regional	0.09	Town Collector	2.2C	\$0.00	4.1A	\$0.72	Y	\$0.72
South	Otay	ENRICO FERMI	ZONE CONNECTOR	AIRWAY	Regional	0.12	Town Collector	2.2C	\$0.00	4.1A	\$0.96	Y	\$0.96
South	Otay	ENRICO FERMI	AIRWAY	SIEMPRE VIVA	Regional	0.23	Town Collector	2.2C	\$0.00	4.1A	\$1.84	Y	\$1.84
South	Otay	LA MEDIA	ZONE CONNECTOR	LONESTAR	Regional	0.32	New	4.1B	\$6.58	6.2	\$9.99	Y	\$3.41
South	Otay	LONE STAR	PASEO DE LAS AMERICA	FARADAY	RAS	0.20	New	2.2E	\$2.55	4.1A	\$4.54	Y	\$1.99
South	Otay	LONE STAR	FARADAY	ENRICO FERMI	RAS	0.25	New	2.2E	\$3.19	4.1A	\$5.67	Y	\$2.49
South	Otay	LONE STAR	ENRICO FERMI	ZONE CONNECTOR	RAS	0.24	New	2.2E	\$3.06	4.1A	\$5.45	Y	\$2.39
South	Otay	LONE STAR	ZONE CONNECTOR	ALTA	RAS	0.27	New	2.2E	\$3.44	4.1A	\$6.13	Y	\$2.69
South	Otay	LONESTAR	PIPER RANCH	NEW HARVEST	RAS	0.10	New	2.2E	\$1.27	6.2	\$3.12	Y	\$1.85
South	Otay	LONESTAR	NEW HARVEST	NATIONAL UNIVERSITY	RAS	0.10	New	2.2E	\$1.27	4.1A	\$2.27	Y	\$1.00
South	Otay	LONESTAR	NATIONAL UNIVERSITY	HARVEST	RAS	0.09	New	2.2E	\$1.15	4.1A	\$2.04	Y	\$0.90
South	Otay	LONESTAR	HARVEST	HARVEST	RAS	0.09	New	2.2E	\$1.15	4.1A	\$2.04	Y	\$0.90
South	Otay	LONESTAR	HARVEST	SANYO	RAS	0.40	New	2.2E	\$5.10	4.1A	\$9.08	Y	\$3.98
South	Otay	LONESTAR	SANYO	PASEO DE LAS AMERICA	RAS	0.27	New	2.2E	\$3.44	4.1A	\$6.13	Y	\$2.69
South	Otay	LOOP	ALTA	ZONE CONNECTOR	Regional	0.20	Town Collector	2.2C	\$0.00	4.1A	\$1.60	Y	\$1.60
South	Otay	LOOP	ZONE CONNECTOR	OTAY MESA	Regional	0.26	Town Collector	2.2C	\$0.00	4.1A	\$2.08	Y	\$2.08
South	Otay	LOOP	SIEMPRE VIVA	ZONE CONNECTOR	Regional	0.18	New	2.2E	\$2.29	4.1A	\$4.09	Y	\$1.79
South	Otay	LOOP	ZONE CONNECTOR	AIRWAY	Regional	0.16	New	2.2E	\$2.04	4.1A	\$3.63	Y	\$1.59
South	Otay	LOOP	AIRWAY	RAMP SR-11 EB	Regional	0.08	New	2.2E	\$1.02	4.1A	\$1.82	Y	\$0.80
South	Otay	LOOP	RAMP SR-11 EB	RAMP SR-11 WB	Regional	0.09	New	2.2E	\$1.15	4.1A	\$2.04	Y	\$0.90
South	Otay	LOOP	RAMP SR-11 WB	ZONE CONNECTOR	Regional	0.09	New	2.2E	\$1.15	4.1A	\$2.04	Y	\$0.90

**Appendix E -Mobility Element Improvements Costs for Both TIF and Non-TIF Improvements**

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
South	Otay	LOOP	OTAY MESA	ZONE CONNECTOR	Regional	0.47	New	2.2E	\$5.99	4.1A	\$10.67	Y	\$4.68
South	Otay	NEW HARVEST	LONESTAR	UNKNOWN	Regional	0.13	New	2.2E	\$1.66	4.1A	\$2.95	Y	\$1.29
South	Otay	NEW HARVEST	UNKNOWN	UNNAMED	Regional	0.09	New	2.2E	\$1.15	4.1A	\$2.04	Y	\$0.90
South	Otay	NEW HARVEST	UNNAMED	UNKNOWN	Regional	0.20	New	2.2E	\$2.55	4.1A	\$4.54	Y	\$1.99
South	Otay	NEW HARVEST	UNKNOWN	HARVEST	Regional	0.12	New	2.2E	\$1.53	4.1A	\$2.72	Y	\$1.19
South	Otay	NEW HARVEST	HARVEST	UNNAMED	Regional	0.13	New	2.2E	\$1.66	4.1A	\$2.95	Y	\$1.29
South	Otay	NEW HARVEST	UNNAMED	HARVEST	Regional	0.20	New	2.2E	\$2.55	4.1A	\$4.54	Y	\$1.99
South	Otay	OTAY LAKES	WUESTE	UNKNOWN	RAS	0.14	Light Collector	2.2E	\$0.00	4.1B	\$0.99	Y	\$0.99
South	Otay	OTAY LAKES	WUESTE	UNKNOWN	RAS	0.26	Light Collector	2.2E	\$0.00	4.1B	\$1.83	Y	\$1.83
South	Otay	OTAY LAKES	UNKNOWN	ZONE CONNECTOR	RAS	0.82	Light Collector	2.2E	\$0.00	4.1B	\$5.79	Y	\$5.79
South	Otay	OTAY LAKES	ZONE CONNECTOR	UNKNOWN	RAS	0.89	Light Collector	2.2E	\$0.00	4.1B	\$6.28	Y	\$6.28
South	Otay	OTAY MESA	SANYO	PASEO DE LAS AMERICA	RAS	0.06	Light Collector	4.1B	\$0.42	6.2	\$1.44	Y	\$1.01
South	Otay	OTAY MESA	PASEO DE LAS AMERICA	FARADAY	RAS	0.20	Light Collector	4.1B	\$1.41	6.2	\$4.79	Y	\$3.38
South	Otay	OTAY MESA	FARADAY	ENRICO FERMI	RAS	0.23	Light Collector	4.1B	\$1.62	6.2	\$5.51	Y	\$3.88
South	Otay	OTAY MESA	ENRICO FERMI	BONITA VISTA HIGH	RAS	0.27	Light Collector	2.2C	\$0.00	4.1A	\$3.07	Y	\$3.07
South	Otay	OTAY MESA	BONITA VISTA HIGH	ALTA	RAS	0.24	Light Collector	2.2C	\$0.00	4.1A	\$2.73	Y	\$2.73
South	Otay	OTAY MESA	ALTA	LOOP	RAS	0.27	New	2.2E	\$3.44	4.1A	\$6.13	Y	\$2.69
South	Otay	SIEMPRE VIVA	ENRICO FERMI	BASE STABLES	RAS	0.28	New	2.2E	\$3.57	4.1A	\$6.36	Y	\$2.79
South	Otay	SIEMPRE VIVA	BASE STABLES	LOOP	RAS	0.23	New	2.2E	\$2.93	4.1A	\$5.22	Y	\$2.29
South	Spring Valley	CAMPO	BROADWAY	RAMP SR-125 NB	RAS	0.07	Collector	4.1B	\$0.00	4.1A	\$0.34	Y	\$0.34
South	Spring Valley	CAMPO	RAMP SR-125 NB	KENWOOD	RAS	0.08	Light Collector	2.2E	\$0.00	4.1A	\$0.91	Y	\$0.91
South	Spring Valley	CAMPO	KENWOOD	TERRACE	RAS	0.14	Light Collector	2.2E	\$0.00	4.1A	\$1.59	Y	\$1.59
South	Spring Valley	CAMPO	CAMPO/SWEETWATER SPN	SWEETWATER SPRINGS	RAS	0.09	Collector	4.1B	\$0.00	4.1A	\$0.43	Y	\$0.43
South	Spring Valley	JAMACHA BOULEVARD	ZONE CONNECTOR	PARADISE VALLEY	RAS	0.14	Collector	4.1A	\$0.67	4.1A	\$0.67	N	\$0.00
South	Spring Valley	JAMACHA BOULEVARD	THAYER	ZONE CONNECTOR	RAS	0.17	Collector	4.1A	\$0.82	4.1A	\$0.82	N	\$0.00
South	Spring Valley	JAMACHA BOULEVARD	KEMPTON	THAYER	RAS	0.15	Collector	4.1A	\$0.72	4.1A	\$0.72	N	\$0.00
South	Spring Valley	JAMACHA BOULEVARD	SACRAMENTO	KEMPTON	RAS	0.18	Collector	4.1B	\$0.00	4.1A	\$0.87	Y	\$0.87
South	Spring Valley	JAMACHA BOULEVARD	GRAND	SACRAMENTO	RAS	0.07	Collector	4.1B	\$0.00	4.1A	\$0.34	Y	\$0.34
South	Spring Valley	JAMACHA BOULEVARD	RAMONA	GRAND	RAS	0.15	Collector	4.1B	\$0.00	4.1A	\$0.72	Y	\$0.72
South	Spring Valley	JAMACHA BOULEVARD	LA PRESA	RAMONA	RAS	0.10	Collector	4.1B	\$0.00	4.1A	\$0.48	Y	\$0.48
South	Spring Valley	JAMACHA BOULEVARD	SAN JUAN	LA PRESA	RAS	0.14	Town Collector	4.1B	\$0.52	4.1A	\$1.12	Y	\$0.60
South	Spring Valley	JAMACHA BOULEVARD	SAN MIGUEL	SAN JUAN	RAS	0.05	Town Collector	4.1B	\$0.19	4.1A	\$0.40	Y	\$0.21
South	Spring Valley	JAMACHA BOULEVARD	SAN DIEGO	SAN MIGUEL	RAS	0.17	Town Collector	4.1B	\$0.63	4.1A	\$1.36	Y	\$0.72
South	Spring Valley	JAMACHA BOULEVARD	OMEGA	SAN DIEGO	RAS	0.15	Town Collector	4.1B	\$0.56	4.1A	\$1.20	Y	\$0.64
South	Spring Valley	JAMACHA BOULEVARD	MAYA	OMEGA	RAS	0.39	Town Collector	4.1B	\$1.45	4.1A	\$3.11	Y	\$1.66
South	Spring Valley	JAMACHA BOULEVARD	WHITESTONE	MAYA	RAS	0.30	Town Collector	4.1B	\$1.12	4.1A	\$2.39	Y	\$1.28
South	Spring Valley	JAMACHA BOULEVARD	SPRING GLEN	WHITESTONE	RAS	0.32	Town Collector	4.1B	\$1.19	4.1A	\$2.55	Y	\$1.36
South	Spring Valley	JAMACHA BOULEVARD	JAMACHA	SPRING GLEN	RAS	0.09	Town Collector	4.1B	\$0.34	4.1A	\$0.72	Y	\$0.38
South	Spring Valley	JAMACHA BOULEVARD	RAMP	JAMACHA	RAS	0.13	Town Collector	4.1B	\$0.48	4.1A	\$1.04	Y	\$0.55
South	Spring Valley	JAMACHA BOULEVARD	RAMP	RAMP	RAS	0.26	Town Collector	4.1B	\$0.97	4.1A	\$2.08	Y	\$1.11
South	Spring Valley	JAMACHA BOULEVARD	RAMP	SWEETWATER SPRINGS	RAS	0.09	Collector	4.1B	\$0.00	4.1A	\$0.43	Y	\$0.43
South	Spring Valley	JAMACHA BOULEVARD	10707 MHP	RAMP	RAS	0.25	Collector	4.1B	\$0.00	4.1A	\$1.20	Y	\$1.20
South	Spring Valley	JAMACHA BOULEVARD	CALAVO/DOUBLETREE	10707 MHP	RAS	0.26	Collector	4.1B	\$0.00	4.1A	\$1.25	Y	\$1.25
South	Spring Valley	JAMACHA BOULEVARD	TRACE	CALAVO/DOUBLETREE	RAS	0.21	Collector	4.1B	\$0.00	4.1A	\$1.01	Y	\$1.01
South	Spring Valley	JAMACHA BOULEVARD	SR-54	TRACE	RAS	0.08	Collector	4.1B	\$0.00	4.1A	\$0.39	Y	\$0.39
South	Spring Valley	SWEETWATER SPRINGS	RAMP SR-94 EB	CAMPO	RAS	0.05	Collector	4.1B	\$0.00	4.1A	\$0.24	Y	\$0.24
South	Spring Valley	SWEETWATER SPRINGS	CAMPO	DEL RIO	RAS	0.08	Collector	4.1B	\$0.00	4.1A	\$0.39	Y	\$0.39
South	Spring Valley	SWEETWATER SPRINGS	DEL RIO	DON PICO	RAS	0.06	Collector	4.1B	\$0.00	4.1A	\$0.29	Y	\$0.29
South	Spring Valley	SWEETWATER SPRINGS	DON PICO	CRISTOBAL	RAS	0.08	Collector	4.1B	\$0.00	4.1A	\$0.39	Y	\$0.39
South	Spring Valley	SWEETWATER SPRINGS	CRISTOBAL	ROTHGARD	RAS	0.13	Collector	4.1B	\$0.00	4.1A	\$0.63	Y	\$0.63
South	Spring Valley	SWEETWATER SPRINGS	ROTHGARD	LOMA	RAS	0.14	Collector	4.1B	\$0.00	4.1A	\$0.67	Y	\$0.67
South	Spring Valley	SWEETWATER SPRINGS	LOMA	MONTE VISTA HIGH	RAS	0.06	Collector	4.1B	\$0.00	4.1A	\$0.29	Y	\$0.29

**Appendix E -Mobility Element Improvements Costs for Both TIF and Non-TIF Improvements**

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
South	Spring Valley	SWEETWATER SPRINGS	MONTE VISTA HIGH	UNKNOWN	RAS	0.07	Collector	4.1B	\$0.00	4.1A	\$0.34	Y	\$0.34
South	Spring Valley	SWEETWATER SPRINGS	UNKNOWN	MOORPARK	RAS	0.11	Collector	4.1B	\$0.00	4.1A	\$0.53	Y	\$0.53
South	Spring Valley	SWEETWATER SPRINGS	MOORPARK	AUSTIN	RAS	0.14	Collector	4.1B	\$0.00	4.1A	\$0.67	Y	\$0.67
South	Spring Valley	SWEETWATER SPRINGS	AUSTIN	CALLE MARINER	RAS	0.12	Collector	4.1B	\$0.00	4.1A	\$0.58	Y	\$0.58
South	Spring Valley	SWEETWATER SPRINGS	CALLE MARINER	RAMP	RAS	0.21	Collector	4.1B	\$0.00	4.1A	\$1.01	Y	\$1.01
South	Spring Valley	SWEETWATER SPRINGS	RAMP	JAMACHA BOULEVARD	RAS	0.08	Collector	4.1B	\$0.00	4.1A	\$0.39	Y	\$0.39
South	Spring Valley	SWEETWATER-NEW	PARADISE VALLEY	JAMACHA BOULEVARD	RAS	0.04	Light Collector	2.2C	\$0.00	4.1A	\$0.46	Y	\$0.46
South	Sweetwater	BONITA	CENTRAL	CHRISTIAN CENTER	RAS	0.23	Light Collector	4.1B	\$1.62	4.1B	\$1.62	N	\$0.00
South	Sweetwater	BONITA	CHRISTIAN CENTER	UNKNOWN	RAS	0.19	Light Collector	4.1B	\$1.34	4.1B	\$1.34	N	\$0.00
South	Sweetwater	BONITA	UNKNOWN	VILLAS	RAS	0.12	Light Collector	4.1B	\$0.85	4.1B	\$0.85	N	\$0.00
South	Valle De Oro	BANCROFT	GROSSMONT SUMMIT	LEMON	Regional	0.05	Light Collector	2.2E	\$0.00	4.2B	\$0.36	Y	\$0.36
South	Valle De Oro	CAMPO	KENWOOD	TERRACE	RAS	0.05	Light Collector	2.2E	\$0.00	4.1B	\$0.35	Y	\$0.35
South	Valle De Oro	CAMPO	TERRACE	BANCROFT	RAS	0.20	Light Collector	2.2E	\$0.00	4.1B	\$1.41	Y	\$1.41
South	Valle De Oro	CAMPO	BANCROFT	CAMILO PAZ	RAS	0.12	Light Collector	4.1B	\$0.85	4.1B	\$0.85	N	\$0.00
South	Valle De Oro	CAMPO	NORTH BARCELONA	SOUTH CORDOBA	RAS	0.09	Light Collector	4.2B	\$0.64	4.2B	\$0.64	N	\$0.00
South	Valle De Oro	CAMPO	SOUTH CORDOBA	GRANADA	RAS	0.08	Light Collector	4.2B	\$0.57	4.2B	\$0.57	N	\$0.00
South	Valle De Oro	CAMPO	SR-94 EB	VIA MERCADO	State	0.22	Major	6.1	\$3.47	6.1	\$3.47	N	\$0.00
South	Valle De Oro	CAMPO	VIA MERCADO	ZONE CONNECTOR	State	0.28	Major	6.1	\$4.42	6.1	\$4.42	N	\$0.00
South	Valle De Oro	CAMPO	ZONE CONNECTOR	RAMP	State	0.18	Major	6.1	\$2.84	6.1	\$2.84	N	\$0.00
South	Valle De Oro	CAMPO	RAMP	SR 54	State	0.06	Major	6.1	\$0.95	6.1	\$0.95	N	\$0.00
South	Valle De Oro	CAMPO	SR 54	JAMACHA BOULEVARD	State	0.03	Major	6.1	\$0.47	6.1	\$0.47	N	\$0.00
South	Valle De Oro	CAMPO	JAMACHA BOULEVARD	RAMP SR-94 EB	State	0.10	Major	6.1	\$1.58	6.1	\$1.58	N	\$0.00
South	Valle De Oro	CAMPO	RAMP SR-94 EB	RAMP	State	0.28	Major	6.1	\$4.42	6.1	\$4.42	N	\$0.00
South	Valle De Oro	CAMPO	RAMP	UNKNOWN	State	0.04	Major	6.1	\$0.63	6.1	\$0.63	N	\$0.00
South	Valle De Oro	CAMPO	UNKNOWN	JAMACHA ROAD	State	0.12	Major	6.1	\$1.89	6.1	\$1.89	N	\$0.00
South	Valle De Oro	CAMPO	UNKNOWN	RAMP	State	0.06	New	4.1A	\$1.36	4.1A	\$1.36	N	\$0.00
South	Valle De Oro	CAMPO	UNKNOWN	SR-94	State	0.20	Light Collector	4.1B	\$1.41	4.1A	\$2.28	Y	\$0.86
South	Valle De Oro	CAMPO	SR-94	MILLAR RANCH	State	0.11	Light Collector	4.1B	\$0.78	4.1A	\$1.25	Y	\$0.47
South	Valle De Oro	CAMPO	MILLAR RANCH	UNKNOWN	State	0.35	Light Collector	4.1B	\$2.47	4.1A	\$3.98	Y	\$1.51
South	Valle De Oro	CAMPO	UNKNOWN	ZONE CONNECTOR	State	0.39	Town Collector	4.1B	\$1.45	4.1A	\$3.11	Y	\$1.66
South	Valle De Oro	CAMPO	ZONE CONNECTOR	SR-94	State	0.06	Town Collector	4.1B	\$0.22	4.1A	\$0.48	Y	\$0.26
South	Valle De Oro	CHASE	RANCHO VALLE	GROVE	Regional	0.28	Light Collector	2.2C	\$0.00	4.1B	\$1.98	Y	\$1.98
South	Valle De Oro	CHASE	GROVE	BERNITA	Regional	0.11	Light Collector	2.2C	\$0.00	4.1B	\$0.78	Y	\$0.78
South	Valle De Oro	CHASE	BERNITA	UNKNOWN	Regional	0.25	Light Collector	2.2C	\$0.00	4.1B	\$1.76	Y	\$1.76
South	Valle De Oro	CHASE	UNKNOWN	MONUMENT HILL	Regional	0.35	Light Collector	2.2C	\$0.00	4.1B	\$2.47	Y	\$2.47
South	Valle De Oro	CHASE	MONUMENT HILL	FUERTE	Regional	0.07	Light Collector	2.2C	\$0.00	4.1B	\$0.49	Y	\$0.49
South	Valle De Oro	CHASE	FUERTE	SR 54	Regional	0.15	Light Collector	4.1B	\$1.06	4.1B	\$1.06	N	\$0.00
South	Valle De Oro	CHASE	SR 54	JAMACHA ROAD	Regional	0.11	Light Collector	4.1B	\$0.78	4.1B	\$0.78	N	\$0.00
South	Valle De Oro	FURY	AVOCADO	UNKNOWN	Regional	0.15	Light Collector	4.1B	\$1.06	4.1B	\$1.06	N	\$0.00
South	Valle De Oro	FURY	UNKNOWN	RAPATEE	Regional	0.14	Light Collector	4.1B	\$0.99	4.1B	\$0.99	N	\$0.00
South	Valle De Oro	FURY	RAPATEE	CALLE VERDE	Regional	0.08	Light Collector	4.1B	\$0.56	4.1B	\$0.56	N	\$0.00
South	Valle De Oro	FURY	CALLE VERDE	SUNDOWN	Regional	0.13	Town Collector	4.1B	\$0.48	4.1B	\$0.48	N	\$0.00
South	Valle De Oro	FURY	SUNDOWN	JULIE	Regional	0.25	Town Collector	4.1B	\$0.93	4.1B	\$0.93	N	\$0.00
South	Valle De Oro	FURY	JULIE	UNKNOWN	Regional	0.32	Town Collector	4.1B	\$1.19	4.1B	\$1.19	N	\$0.00
South	Valle De Oro	FURY	UNKNOWN	SR 54	Regional	0.10	Town Collector	4.1B	\$0.37	4.1B	\$0.37	N	\$0.00
South	Valle De Oro	JAMACHA BOULEVARD	SR-54	TRACE	RAS	0.04	Collector	4.1B	\$0.00	4.1A	\$0.19	Y	\$0.19
South	Valle De Oro	JAMACHA BOULEVARD	RAMP SR-94 EB	SR-54	RAS	0.36	Collector	4.1B	\$0.00	4.1A	\$1.73	Y	\$1.73
South	Valle De Oro	JAMACHA BOULEVARD	RAMP SR-94 EB	RAMP	RAS	0.12	Collector	4.1B	\$0.00	4.1A	\$0.58	Y	\$0.58
South	Valle De Oro	JAMACHA BOULEVARD	RAMP	RAMP	RAS	0.07	Collector	4.1B	\$0.00	4.1A	\$0.34	Y	\$0.34
South	Valle De Oro	JAMACHA ROAD	VAN VECHTEN	GROVE	RAS	0.03	Collector	4.1B	\$0.00	4.1A	\$0.14	Y	\$0.14
South	Valle De Oro	JAMACHA ROAD	GROVE	RANCHO WINCHESTER	RAS	0.09	Collector	4.1B	\$0.00	4.1A	\$0.43	Y	\$0.43
South	Valle De Oro	JAMACHA ROAD	RANCHO WINCHESTER	HIDDEN MESA	RAS	0.20	Collector	4.1B	\$0.00	4.1A	\$0.96	Y	\$0.96

**Appendix E -Mobility Element Improvements Costs for Both TIF and Non-TIF Improvements**

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
South	Valle De Oro	JAMACHA ROAD	HIDDEN MESA	PENASCO	RAS	0.07	Collector	4.1B	\$0.00	4.1A	\$0.34	Y	\$0.34
South	Valle De Oro	JAMACHA ROAD	PENASCO	CHASE	RAS	0.10	Collector	4.1B	\$0.00	4.1A	\$0.48	Y	\$0.48
South	Valle De Oro	JAMACHA ROAD	CHASE	SUNDALE	RAS	0.31	Collector	4.1B	\$0.00	6.2	\$4.02	Y	\$4.02
South	Valle De Oro	JAMACHA ROAD	SUNDALE	HILLSDALE	RAS	0.15	Collector	4.1B	\$0.00	6.2	\$1.94	Y	\$1.94
South	Valle De Oro	JAMACHA ROAD	HILLSDALE	UNKNOWN	RAS	0.26	Collector	4.1B	\$0.00	6.2	\$3.37	Y	\$3.37
South	Valle De Oro	JAMACHA ROAD	UNKNOWN	SCOTTY'S WAY	RAS	0.19	Collector	4.1B	\$0.00	6.2	\$2.46	Y	\$2.46
South	Valle De Oro	JAMACHA ROAD	SCOTTY'S WAY	CALLE ALBARA	RAS	0.18	Collector	4.1B	\$0.00	6.2	\$2.33	Y	\$2.33
South	Valle De Oro	JAMACHA ROAD	CALLE ALBARA	BRABHAM	RAS	0.21	Major	4.1A	\$0.00	6.2	\$1.60	Y	\$1.60
South	Valle De Oro	JAMACHA ROAD	BRABHAM	UNKNOWN	RAS	0.14	Major	4.1A	\$0.00	6.2	\$1.07	Y	\$1.07
South	Valle De Oro	JAMACHA ROAD	UNKNOWN	HILTON HEAD	RAS	0.12	Major	4.1A	\$0.00	6.2	\$0.92	Y	\$0.92
South	Valle De Oro	JAMACHA ROAD	HILTON HEAD	WILLOW GLEN	RAS	0.15	Major	6.2	\$1.14	6.2	\$1.14	N	\$0.00
South	Valle De Oro	JAMACHA ROAD	WILLOW GLEN	UNKNOWN	RAS	0.12	Major	6.2	\$0.92	6.2	\$0.92	N	\$0.00
South	Valle De Oro	JAMACHA ROAD	UNKNOWN	FURY	RAS	0.20	Major	6.2	\$1.53	6.2	\$1.53	N	\$0.00
South	Valle De Oro	JAMACHA ROAD	FURY	CUYAMACA COLLEGE E	RAS	0.14	Major	6.2	\$1.07	6.2	\$1.07	N	\$0.00
South	Valle De Oro	JAMACHA ROAD	CUYAMACA COLLEGE E	UNKNOWN	RAS	0.06	Major	6.2	\$0.46	6.2	\$0.46	N	\$0.00
South	Valle De Oro	JAMACHA ROAD	UNKNOWN	CUYAMACA COLLEGE W	RAS	0.09	Major	6.2	\$0.69	6.2	\$0.69	N	\$0.00
South	Valle De Oro	KENWOOD	RAMP SR-94 EB	RAMP SR-94 WB	Regional	0.03	Light Collector	4.1B	\$0.21	4.1B	\$0.21	N	\$0.00
South	Valle De Oro	KENWOOD	RAMP SR-94 WB	CAMPO	Regional	0.10	Light Collector	4.1B	\$0.71	4.1B	\$0.71	N	\$0.00
South	Valle De Oro	STEELE CANYON	WILLOW GLEN	Heatherwood	Regional	0.39	Light Collector	4.1B	\$2.75	4.1B	\$2.75	N	\$0.00
South	Valle De Oro	STEELE CANYON	Heatherwood	JAMUL	Regional	0.11	Town Collector	2.2C	\$0.00	4.1B	\$0.41	Y	\$0.41
South	Valle De Oro	STEELE CANYON	JAMUL	OLD CALIFORNIA	Regional	0.19	Light Collector	2.2E	\$0.00	4.1B	\$1.34	Y	\$1.34
South	Valle De Oro	STEELE CANYON	OLD CALIFORNIA	VISTA CIELO	Regional	0.34	Light Collector	2.2E	\$0.00	4.1B	\$2.40	Y	\$2.40
South	Valle De Oro	WILLOW GLEN	HILLSDALE	UNKNOWN	RAS	0.81	Town Collector	2.2C	\$0.00	4.1B	\$3.02	Y	\$3.02
South	Valle De Oro	WILLOW GLEN	UNKNOWN	STEELE CANYON	RAS	0.39	Town Collector	2.2C	\$0.00	4.1B	\$1.45	Y	\$1.45
North	Bonsall	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.04	Town Collector	2.1A	\$0.04	4.1B	\$0.15	Y	\$0.11
North	Bonsall	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.09	Town Collector	2.1A	\$0.08	4.1B	\$0.34	Y	\$0.26
North	Bonsall	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.15	Town Collector	2.1A	\$0.13	4.1B	\$0.56	Y	\$0.43
North	Bonsall	EAST VISTA	MISSION	OLD RIVER	RAS	0.06	Town Collector	2.2C	\$0.00	4.1A	\$0.48	Y	\$0.48
North	Bonsall	EAST VISTA	OLD RIVER	EVERGREEN	RAS	0.25	Town Collector	2.2C	\$0.00	4.1A	\$2.00	Y	\$2.00
North	Bonsall	EAST VISTA	EVERGREEN	HUTCHISON	RAS	0.34	Town Collector	2.2C	\$0.00	4.1A	\$2.71	Y	\$2.71
North	Bonsall	EAST VISTA	HUTCHISON	ORMSBY/GOPHER CANYON	RAS	0.29	Town Collector	2.2C	\$0.00	4.1A	\$2.32	Y	\$2.32
North	Bonsall	EAST VISTA	ORMSBY/GOPHER CANYON	STRAWBERRY HILL	RAS	0.22	Town Collector	4.1B	\$0.82	4.1A	\$1.76	Y	\$0.94
North	Bonsall	EAST VISTA	STRAWBERRY HILL	OSBORNE	RAS	0.44	Town Collector	4.1B	\$1.64	4.1A	\$3.51	Y	\$1.87
North	Bonsall	EAST VISTA	OSBORNE	UNKNOWN	RAS	0.06	Town Collector	4.1B	\$0.22	4.1A	\$0.48	Y	\$0.26
North	Bonsall	EAST VISTA	UNKNOWN	BARSBY	RAS	0.01	Town Collector	4.1B	\$0.04	4.1A	\$0.08	Y	\$0.04
North	Bonsall	GOPHER CANYON	ORMSBY	WHISPER TRACE	RAS	0.65	Light Collector	2.1A	\$2.66	4.1B	\$4.59	Y	\$1.93
North	Bonsall	GOPHER CANYON	WHISPER TRACE	VISTA VALLEY	RAS	0.34	Light Collector	2.1A	\$1.39	4.1B	\$2.40	Y	\$1.01
North	Bonsall	GOPHER CANYON	VISTA VALLEY	TWIN OAKS VALLEY	RAS	0.78	Light Collector	2.1A	\$3.19	4.1B	\$5.50	Y	\$2.31
North	Bonsall	GOPHER CANYON	TWIN OAKS VALLEY	DISNEY	RAS	0.04	Light Collector	2.1A	\$0.16	4.1B	\$0.28	Y	\$0.12
North	Bonsall	GOPHER CANYON	DISNEY	UNKNOWN	RAS	0.79	Light Collector	2.1A	\$3.23	4.1B	\$5.58	Y	\$2.34
North	Bonsall	GOPHER CANYON	UNKNOWN	RAMP I-15 SB	RAS	0.81	Light Collector	2.1A	\$3.32	4.1B	\$5.72	Y	\$2.40
North	Bonsall	GOPHER CANYON	RAMP I-15 SB	RAMP I-15 NB	RAS	0.10	Light Collector	2.2C	\$0.00	4.1B	\$0.71	Y	\$0.71
North	Bonsall	GOPHER CANYON	RAMP I-15 NB	OLD 395	RAS	0.07	Light Collector	2.2C	\$0.00	4.1B	\$0.49	Y	\$0.49
North	Bonsall	GOPHER CANYON	OLD 395	UNKNOWN	SANTA FE	0.14	New	4.1A	\$3.18	6.2	\$4.37	Y	\$1.19
North	Bonsall	MELROSE	UNKNOWN	TRIPLE CROWN	BLDG 4949	0.22	Light Collector	4.2B	\$1.56	4.2B	\$1.56	N	\$0.00
North	Bonsall	MISSION	TRIPLE CROWN	BLDG 4949	RIVER VILLAGE MALL	0.11	Light Collector	4.2B	\$0.78	4.2B	\$0.78	N	\$0.00
North	Bonsall	MISSION	EAST VISTA	CRANBERRY	State	0.55	Light Collector	6.2	\$13.17	6.2	\$13.17	N	\$0.00
North	Bonsall	MISSION	HOLLY	EAST VISTA	State	0.40	Light Collector	6.2	\$9.58	6.2	\$9.58	N	\$0.00
North	Bonsall	MISSION	NORTH RIVER	HOLLY	State	0.27	Light Collector	6.2	\$6.46	6.2	\$6.46	N	\$0.00
North	Bonsall	MISSION	UNKNOWN	NORTH RIVER	State	0.52	Light Collector	6.2	\$12.45	6.2	\$12.45	N	\$0.00
North	Bonsall	MISSION	VIA GRENADA	UNKNOWN	State	0.45	Light Collector	6.2	\$10.77	6.2	\$10.77	N	\$0.00
North	Bonsall	MISSION	VIA GRENADA	VIA GRENADA	State	0.10	Light Collector	6.2	\$2.39	6.2	\$2.39	N	\$0.00

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Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
North	Bonsall	MISSION	OLIVEHILL/CM DEL REY	VALLEY RANCH	State	0.73	Light Collector	6.2	\$17.48	6.2	\$17.48	N	\$0.00
North	Bonsall	MISSION	THOROUGHBRED	OLIVEHILL/CM DEL REY	State	0.18	Light Collector	6.2	\$4.31	6.2	\$4.31	N	\$0.00
North	Bonsall	NORTH RIVER	UNKNOWN	VIA PUERTA DEL SOL	RAS	0.05	Light Collector	2.2C	\$0.00	4.1B	\$0.35	Y	\$0.35
North	Bonsall	NORTH RIVER	VIA PUERTA DEL SOL	EMERALD HILL	Regional	0.27	Light Collector	2.2C	\$0.00	4.1B	\$1.91	Y	\$1.91
North	Bonsall	NORTH RIVER	EMERALD HILL	MISSION	Regional	0.16	Light Collector	2.2C	\$0.00	4.1B	\$1.13	Y	\$1.13
North	Bonsall	OLD 395	WEST LILAC	RAMP I-15 SB	RAS	0.86	Town Collector	2.2C	\$0.00	4.2B	\$3.38	Y	\$3.38
North	Bonsall	OLD 395	RAMP I-15 SB	RAMP I-15 SB	RAS	0.12	Light Collector	2.2C	\$0.00	4.1B	\$0.85	Y	\$0.85
North	Bonsall	OLD 395	RAMP I-15 SB	RAMP I-15 NB	RAS	0.25	Light Collector	2.2C	\$0.00	4.1B	\$1.76	Y	\$1.76
North	Bonsall	OLD 395	RAMP I-15 NB	RAMP I-15 NB	RAS	0.04	Light Collector	2.2C	\$0.00	4.1B	\$0.28	Y	\$0.28
North	Bonsall	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.05	Light Collector	2.2C	\$0.00	4.1B	\$0.35	Y	\$0.35
North	Bonsall	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.06	Light Collector	2.2C	\$0.00	4.1B	\$0.42	Y	\$0.42
North	Bonsall	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.07	Light Collector	2.2C	\$0.00	4.1B	\$0.49	Y	\$0.49
North	Bonsall	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.07	Light Collector	2.2C	\$0.00	4.1B	\$0.49	Y	\$0.49
North	Bonsall	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.10	Light Collector	2.2C	\$0.00	4.1B	\$0.71	Y	\$0.71
North	Bonsall	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.11	Light Collector	2.2C	\$0.00	4.1B	\$0.78	Y	\$0.78
North	Bonsall	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.16	Light Collector	2.2C	\$0.00	4.1B	\$1.13	Y	\$1.13
North	Bonsall	OLD 395	ZONE CONNECTOR	CAM DEL REY	RAS	0.18	Light Collector	2.2C	\$0.00	4.1B	\$1.27	Y	\$1.27
North	Bonsall	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.06	Town Collector	4.1B	\$0.22	4.1B	\$0.22	N	\$0.00
North	Bonsall	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.06	Town Collector	4.1B	\$0.22	4.1B	\$0.22	N	\$0.00
North	Bonsall	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.30	Town Collector	4.1B	\$1.12	4.1B	\$1.12	N	\$0.00
North	Bonsall	OLD 395	RAMP I-15 NB	LILAC RIDGE	RAS	0.14	Light Collector	2.1A	\$0.57	4.1B	\$0.99	Y	\$0.41
North	Bonsall	OLIVE HILL	ZONE CONNECTOR	UNKNOWN	Local	0.28	New	2.2C	\$3.57	2.2C	\$3.57	N	\$0.00
North	Bonsall	OLIVE HILL	UNKNOWN	ZONE CONNECTOR	Local	0.30	New	2.2C	\$3.83	2.2C	\$3.83	N	\$0.00
North	Bonsall	ORMSBY	GOPHER CANYON	UNKNOWN	Regional	0.28	Light Collector	4.1B	\$1.98	4.1B	\$1.98	N	\$0.00
North	Bonsall	ORMSBY	UNKNOWN	FAIRVIEW	Regional	0.51	Light Collector	4.1B	\$3.60	4.1B	\$3.60	N	\$0.00
North	Bonsall	ORMSBY	FAIRVIEW	EAST VISTA	Regional	0.41	Light Collector	4.1B	\$2.89	4.1B	\$2.89	N	\$0.00
North	Bonsall	OSBORNE	UNKNOWN	BAUTISTA	Local	0.39	Light Collector	2.2E	\$0.00	2.2A	\$1.91	Y	\$1.91
North	Bonsall	OSBORNE	BAUTISTA	HUTCHISON	Local	0.22	Light Collector	2.2E	\$0.00	2.2A	\$1.08	Y	\$1.08
North	Bonsall	OSBORNE	HUTCHISON	UNKNOWN	Local	0.27	Light Collector	2.2E	\$0.00	2.2A	\$1.32	Y	\$1.32
North	Bonsall	OSBORNE	UNKNOWN	AMSTEL	Local	0.40	Light Collector	2.2E	\$0.00	2.2A	\$1.96	Y	\$1.96
North	Bonsall	OSBORNE	AMSTEL	EAST VISTA	Local	0.20	Light Collector	2.2E	\$0.00	2.2A	\$0.98	Y	\$0.98
North	Bonsall	PALA	THOROUGHBRED	MISSION	State	0.28	Light Collector	6.2	\$6.70	6.2	\$6.70	N	\$0.00
North	Bonsall	PALA	MISSION	ZONE CONNECTOR	State	0.27	Light Collector	4.1A	\$3.07	4.1A	\$3.07	N	\$0.00
North	Bonsall	PALA	ZONE CONNECTOR	RAMONA	State	0.03	Light Collector	4.1A	\$0.34	4.1A	\$0.34	N	\$0.00
North	Bonsall	PALA	ZONE CONNECTOR	RAMONA	State	0.03	Light Collector	4.1A	\$0.34	4.1A	\$0.34	N	\$0.00
North	Bonsall	PALA	ZONE CONNECTOR	RAMONA	State	0.37	Light Collector	4.1A	\$4.21	4.1A	\$4.21	N	\$0.00
North	Bonsall	PALA	RAMONA	CALLE DE LA VUELTA	State	0.01	Light Collector	4.1A	\$0.11	4.1A	\$0.11	N	\$0.00
North	Bonsall	PALA	RAMONA	CALLE DE LA VUELTA	State	0.04	Light Collector	4.1A	\$0.46	4.1A	\$0.46	N	\$0.00
North	Bonsall	PALA	RAMONA	CALLE DE LA VUELTA	State	0.04	Light Collector	4.1A	\$0.46	4.1A	\$0.46	N	\$0.00
North	Bonsall	PALA	CALLE DE LA VUELTA	VIA MONSERATE	State	0.05	Light Collector	4.1A	\$0.57	4.1A	\$0.57	N	\$0.00
North	Bonsall	WEST LILAC	OLIVEHILL	OLD RIVER	Regional	0.05	Light Collector	2.2C	\$0.00	4.2B	\$0.36	Y	\$0.36
North	Bonsall	WEST LILAC	OLD RIVER	CAM DEL REY	Regional	0.29	Light Collector	2.2E	\$0.00	4.2B	\$2.06	Y	\$2.06
North	Fallbrook	CANONITA	OLD 395	RAMP I-15 SB	Regional	0.08	Light Collector	2.2E	\$0.00	4.1B	\$0.56	Y	\$0.56
North	Fallbrook	CARLINA	EL PAISANO	MACADAMIA	RAS	0.02	Town Collector	4.2B	\$0.08	4.2B	\$0.08	N	\$0.00
North	Fallbrook	CITRANO LN	PANKEY	PANKEY NEW	State	0.29	New	2.1E	\$3.56	2.1E	\$3.56	N	\$0.00
North	Fallbrook	CLEMMENS	RECHE	MORRO	Local	0.12	New	2.2C	\$1.53	2.2C	\$1.53	N	\$0.00
North	Fallbrook	COUSER CANYON	PALA	ZONE CONNECTOR	Local	0.86	Light Collector	2.2F	\$0.42	2.2F	\$0.42	N	\$0.00
North	Fallbrook	COUSER CANYON	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.47	Light Collector	2.2F	\$0.23	2.2F	\$0.23	N	\$0.00
North	Fallbrook	FALLBROOK	MISSION	PICO	Local	0.06	Light Collector	2.2E	\$0.00	2.2B	\$0.20	Y	\$0.20
North	Fallbrook	FALLBROOK	PICO	MAIN	Local	0.06	Light Collector	2.2E	\$0.00	2.2B	\$0.20	Y	\$0.20
North	Fallbrook	FALLBROOK	OLD STAGE	MANDARIN	Local	0.13	Light Collector	2.2B	\$0.44	2.2B	\$0.44	N	\$0.00
North	Fallbrook	FALLBROOK	MORRO	DEBRA ANN	Local	0.12	Light Collector	2.2E	\$0.00	2.2B	\$0.41	Y	\$0.41

**Appendix E -Mobility Element Improvements Costs for Both TIF and Non-TIF Improvements**

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
North	Fallbrook	FALLBROOK	DEBRA ANN	MC DONALD	Local	0.12	Light Collector	2.2E	\$0.00	2.2B	\$0.41	Y	\$0.41
North	Fallbrook	FALLBROOK	MC DONALD	MAGARIAN	Local	0.06	Light Collector	2.2E	\$0.00	2.2B	\$0.20	Y	\$0.20
North	Fallbrook	FALLBROOK	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.40	New	2.2C	\$5.10	2.2C	\$5.10	N	\$0.00
North	Fallbrook	FALLBROOK	ZONE CONNECTOR	RECHE	Local	0.25	New	2.2C	\$3.19	2.2C	\$3.19	N	\$0.00
North	Fallbrook	KNOTTWOOD/ENCINA	VIA ENCINAS	PALOMAR	Local	0.37	Light Collector	2.2F	\$0.18	2.2F	\$0.18	N	\$0.00
North	Fallbrook	KNOTTWOOD/ENCINA	PALOMAR	ALTA VISTA	Local	0.48	Light Collector	2.2F	\$0.23	2.2F	\$0.23	N	\$0.00
North	Fallbrook	KNOTTWOOD/ENCINA	ALTA VISTA	ZONE CONNECTOR	Local	0.65	New	2.2F	\$6.37	2.2F	\$6.37	N	\$0.00
North	Fallbrook	KNOTTWOOD/ENCINA	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.70	New	2.2F	\$6.86	2.2F	\$6.86	N	\$0.00
North	Fallbrook	KNOTTWOOD/ENCINA	ZONE CONNECTOR	GIRD	Local	0.63	New	2.2F	\$6.18	2.2F	\$6.18	N	\$0.00
North	Fallbrook	MISSION	CARLINA	WILLOW GLEN	RAS	0.28	Town Collector	4.2B	\$1.10	4.2B	\$1.10	N	\$0.00
North	Fallbrook	MISSION	WILLOW GLEN	LIVE OAK PARK	RAS	0.88	Town Collector	4.2B	\$3.45	4.2B	\$3.45	N	\$0.00
North	Fallbrook	MISSION	LIVE OAK PARK	OLD 395	RAS	0.71	Town Collector	4.2B	\$2.79	4.2B	\$2.79	N	\$0.00
North	Fallbrook	MISSION	OLD 395	RAMP I-15 SB	RAS	0.06	Light Collector	4.2B	\$0.43	4.2B	\$0.43	N	\$0.00
North	Fallbrook	MISSION	RAMP I-15 SB	RAMP I-15 NB	RAS	0.15	Light Collector	4.2B	\$1.07	4.2B	\$1.07	N	\$0.00
North	Fallbrook	MISSION	CARLINA	UNKNOWN	RAS	0.04	Town Collector	4.2B	\$0.16	4.2B	\$0.16	N	\$0.00
North	Fallbrook	MISSION	UNKNOWN	HAMILTON	RAS	0.57	Town Collector	4.2B	\$2.24	4.2B	\$2.24	N	\$0.00
North	Fallbrook	MISSION	HAMILTON	DAVIS	RAS	0.70	Town Collector	4.2B	\$2.75	4.2B	\$2.75	N	\$0.00
North	Fallbrook	MISSION	DAVIS	STAGE COACH	RAS	0.18	Town Collector	4.2B	\$0.71	4.2B	\$0.71	N	\$0.00
North	Fallbrook	MISSION	STAGE COACH	GUM TREE	RAS	0.13	Town Collector	4.2B	\$0.51	4.2B	\$0.51	N	\$0.00
North	Fallbrook	MISSION	GUM TREE	INDUSTRIAL	RAS	0.45	Town Collector	4.2B	\$1.77	4.2B	\$1.77	N	\$0.00
North	Fallbrook	MISSION	INDUSTRIAL	SANTA MARGARITA	RAS	0.18	Town Collector	4.2B	\$0.71	4.2B	\$0.71	N	\$0.00
North	Fallbrook	MISSION	UNKNOWN	OVERLAND	RAS	0.22	Light Collector	4.2B	\$1.56	4.2B	\$1.56	N	\$0.00
North	Fallbrook	MISSION	OVERLAND	BIG OAK RANCH	RAS	0.26	Light Collector	4.2B	\$1.85	4.2B	\$1.85	N	\$0.00
North	Fallbrook	MISSION	BIG OAK RANCH	GREEN CANYON	RAS	0.45	Light Collector	4.2B	\$3.20	4.2B	\$3.20	N	\$0.00
North	Fallbrook	MISSION	GREEN CANYON	VIA ENCINAS	RAS	0.31	Light Collector	4.2B	\$2.20	4.2B	\$2.20	N	\$0.00
North	Fallbrook	MISSION	VIA ENCINAS	HELLERS BEND	RAS	0.35	Light Collector	4.2B	\$2.49	4.2B	\$2.49	N	\$0.00
North	Fallbrook	MISSION	HELLERS BEND	VIA MONSERATE	RAS	0.74	Light Collector	4.2B	\$5.26	4.2B	\$5.26	N	\$0.00
North	Fallbrook	MISSION	VIA MONSERATE	BAJA MISSION	RAS	0.11	Light Collector	4.2B	\$0.78	4.2B	\$0.78	N	\$0.00
North	Fallbrook	MISSION	BAJA MISSION	LA CANADA	RAS	0.32	Light Collector	4.2B	\$2.27	4.2B	\$2.27	N	\$0.00
North	Fallbrook	MISSION	LA CANADA	TRIPLE CROWN	RAS	0.41	Light Collector	4.2B	\$2.91	4.2B	\$2.91	N	\$0.00
North	Fallbrook	MISSION	TRIPLE CROWN	BLDG 4949	RAS	0.17	Light Collector	4.2B	\$1.21	4.2B	\$1.21	N	\$0.00
North	Fallbrook	OLD 395	MISSION	RECHE	RAS	1.04	Light Collector	2.1A	\$4.26	2.1A	\$4.26	N	\$0.00
North	Fallbrook	OLD 395	RECHE	CANONITA	RAS	0.72	Light Collector	2.1A	\$2.95	2.1A	\$2.95	N	\$0.00
North	Fallbrook	OLD 395	CANONITA	TECALOTE	RAS	0.57	Light Collector	2.2C	\$0.00	2.1A	\$2.33	Y	\$2.33
North	Fallbrook	OLD 395	TECALOTE	PALA MESA	RAS	1.09	Light Collector	2.1A	\$4.46	2.1A	\$4.46	N	\$0.00
North	Fallbrook	OLD 395	PALA MESA	ZONE CONNECTOR	RAS	0.52	Light Collector	2.1A	\$2.13	4.2B	\$3.70	Y	\$1.57
North	Fallbrook	OLD 395	ZONE CONNECTOR	PUBLIC	RAS	0.30	Light Collector	4.2B	\$2.13	4.2B	\$2.13	N	\$0.00
North	Fallbrook	OLD 395	PUBLIC	PALA	RAS	0.12	Light Collector	4.2B	\$0.85	4.2B	\$0.85	N	\$0.00
North	Fallbrook	OLIVE HILL	MISSION	ZONE CONNECTOR	Local	0.15	Light Collector	2.2F	\$0.07	2.2F	\$0.07	N	\$0.00
North	Fallbrook	OLIVE HILL	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.68	Light Collector	2.2F	\$0.33	2.2F	\$0.33	N	\$0.00
North	Fallbrook	OLIVE HILL	ZONE CONNECTOR	WHITE HORSE	Local	0.55	Light Collector	2.2F	\$0.27	2.2F	\$0.27	N	\$0.00
North	Fallbrook	OLIVE HILL	WHITE HORSE	LADERA VISTA	Local	0.50	Light Collector	2.2F	\$0.24	2.2F	\$0.24	N	\$0.00
North	Fallbrook	OLIVE HILL	LADERA VISTA	BURMA	Local	0.24	Light Collector	2.2F	\$0.12	2.2F	\$0.12	N	\$0.00
North	Fallbrook	OLIVE HILL	BURMA	RANCHO BONITO	Local	0.31	Light Collector	2.2F	\$0.15	2.2F	\$0.15	N	\$0.00
North	Fallbrook	OLIVE HILL	RANCHO BONITO	RANCHO CAM	Local	0.36	Light Collector	2.2F	\$0.17	2.2F	\$0.17	N	\$0.00
North	Fallbrook	OLIVE HILL	RANCHO CAM	ZONE CONNECTOR	Local	0.84	Light Collector	2.2F	\$0.41	2.2F	\$0.41	N	\$0.00
North	Fallbrook	OLIVE HILL	ZONE CONNECTOR	UNKNOWN	Local	0.10	Light Collector	2.2F	\$0.05	2.2F	\$0.05	N	\$0.00
North	Fallbrook	OLIVE HILL	UNKNOWN	UNKNOWN	Local	0.03	New	2.2C	\$0.38	2.2C	\$0.38	N	\$0.00
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.02	Light Collector	4.1A	\$0.23	4.1A	\$0.23	N	\$0.00
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.02	Light Collector	4.1A	\$0.23	4.1A	\$0.23	N	\$0.00
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.04	Light Collector	4.1A	\$0.46	4.1A	\$0.46	N	\$0.00
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.05	Light Collector	4.1A	\$0.57	4.1A	\$0.57	N	\$0.00

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Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.06	Light Collector	4.1A	\$0.68	4.1A	\$0.68	N	\$0.00
North	Fallbrook	PALA	RAMONA	CALLE DE LA VUELTA	State	0.12	Light Collector	4.1A	\$1.37	4.1A	\$1.37	N	\$0.00
North	Fallbrook	PALA	CALLE DE LA VUELTA	VIA MONSERATE	State	0.03	Light Collector	4.1A	\$0.34	4.1A	\$0.34	N	\$0.00
North	Fallbrook	PALA	CALLE DE LA VUELTA	VIA MONSERATE	State	0.35	Light Collector	4.1A	\$3.98	4.1A	\$3.98	N	\$0.00
North	Fallbrook	PALA	VIA MONSERATE	UNKNOWN	State	0.48	Light Collector	4.1A	\$5.46	4.1A	\$5.46	N	\$0.00
North	Fallbrook	PALA	UNKNOWN	LIMBER PINE	State	0.07	Light Collector	4.1A	\$0.80	4.1A	\$0.80	N	\$0.00
North	Fallbrook	PALA	LIMBER PINE	GIRD	State	0.08	Light Collector	4.1A	\$0.91	4.1A	\$0.91	N	\$0.00
North	Fallbrook	PALA	GIRD	UNKNOWN	State	0.95	Light Collector	4.1A	\$10.81	4.1A	\$10.81	N	\$0.00
North	Fallbrook	PALA	UNKNOWN	ZONE CONNECTOR	State	0.78	Light Collector	4.1A	\$8.87	4.1A	\$8.87	N	\$0.00
North	Fallbrook	PALA	ZONE CONNECTOR	OLD 395	State	0.56	Light Collector	4.1A	\$6.37	4.1A	\$6.37	N	\$0.00
North	Fallbrook	PALA	OLD 395	RAMP I-15 SB	State	0.15	Light Collector	4.1A	\$1.71	4.1A	\$1.71	N	\$0.00
North	Fallbrook	PALA	PALA-NEW	RICE CANYON	State	0.67	Light Collector	4.1B	\$4.73	4.1A	\$7.62	Y	\$2.89
North	Fallbrook	PALA	RICE CANYON	COUSER CANYON	State	0.12	Light Collector	4.1B	\$0.85	4.1A	\$1.37	Y	\$0.52
North	Fallbrook	PALA MESA	GIRD	UNKNOWN	Local	0.27	Light Collector	2.2F	\$0.13	2.2F	\$0.13	N	\$0.00
North	Fallbrook	PALA MESA	UNKNOWN	UNKNOWN	Local	0.65	New	2.2F	\$6.37	2.2F	\$6.37	N	\$0.00
North	Fallbrook	PALA MESA	UNKNOWN	WILT	Local	0.34	New	2.2F	\$3.33	2.2F	\$3.33	N	\$0.00
North	Fallbrook	PALA MESA	WILT	DAISY	Local	0.34	Light Collector	2.2F	\$0.16	2.2F	\$0.16	N	\$0.00
North	Fallbrook	PALA MESA	DAISY	OLD 395	Local	0.47	Light Collector	2.2F	\$0.23	2.2F	\$0.23	N	\$0.00
North	Fallbrook	PALA MESA	OLD 395	PANKEY	Local	0.21	New	2.2E	\$2.68	2.1A	\$2.93	Y	\$0.26
North	Fallbrook	PALA-NEW	PANKEY NEW	PALA	State	0.50	Light Collector	4.1B	\$3.53	4.1A	\$5.69	Y	\$2.16
North	Fallbrook	PANKEY	PALA MESA	CITRANO LN	Local	0.33	New	2.2E	\$4.21	2.1A	\$4.61	Y	\$0.40
North	Fallbrook	PANKEY	CITRANO LN	PALA	Local	0.15	Light Collector	2.2E	\$0.00	2.1A	\$0.61	Y	\$0.61
North	Fallbrook	PANKEY NEW	PANKEY NEW	ZONE CONNECTOR	Regional	0.49	New	2.2E	\$6.25	4.2A	\$10.22	Y	\$3.97
North	Fallbrook	PANKEY NEW	ZONE CONNECTOR	3P WAY	Regional	0.32	New	2.2E	\$4.08	4.2A	\$6.67	Y	\$2.59
North	Fallbrook	PANKEY NEW	3P WAY	ZONE CONNECTOR	Regional	0.32	New	2.2E	\$4.08	4.2A	\$6.67	Y	\$2.59
North	Fallbrook	PANKEY NEW	ZONE CONNECTOR	CITRANO LN	Regional	0.19	New	2.2E	\$2.42	4.2A	\$3.96	Y	\$1.54
North	Fallbrook	PANKEY NEW	CITRANO LN	PALA	Regional	0.17	New	2.2E	\$2.17	4.2A	\$3.54	Y	\$1.38
North	Fallbrook	PEPPER TREE	MISSION	ZONE CONNECTOR	Local	0.11	New	2.2E	\$1.40	2.2E	\$1.40	N	\$0.00
North	Fallbrook	PEPPER TREE	ZONE CONNECTOR	UNKNOWN	Local	0.39	New	2.2E	\$4.97	2.2E	\$4.97	N	\$0.00
North	Fallbrook	PEPPER TREE	UNKNOWN	MC DONALD	Local	0.25	New	2.2E	\$3.19	2.2E	\$3.19	N	\$0.00
North	Fallbrook	PEPPER TREE	CALAVO	STAGE COACH	Local	0.25	New	2.2E	\$3.19	2.2E	\$3.19	N	\$0.00
North	Fallbrook	RECHE	PALOMINO	CLEMMENS	Local	0.33	New	2.2C	\$4.21	2.2C	\$4.21	N	\$0.00
North	Fallbrook	RECHE	MORRO	MC DONALD	Local	0.25	New	2.2C	\$3.19	2.2C	\$3.19	N	\$0.00
North	Fallbrook	RECHE	MC DONALD	CALAVO	Local	0.25	New	2.2C	\$3.19	2.2C	\$3.19	N	\$0.00
North	Fallbrook	RECHE	CALAVO	PALOMINO	Local	0.12	New	2.2C	\$1.53	2.2C	\$1.53	N	\$0.00
North	Fallbrook	RECHE	STAGE COACH	CALMIN	Local	0.25	Light Collector	2.2E	\$0.00	2.2B	\$0.85	Y	\$0.85
North	Fallbrook	RECHE	CALMIN	UNKNOWN	Local	0.14	Light Collector	2.2E	\$0.00	2.2B	\$0.48	Y	\$0.48
North	Fallbrook	RECHE	UNKNOWN	FALLBROOK	Local	0.12	Light Collector	2.2E	\$0.00	2.2B	\$0.41	Y	\$0.41
North	Fallbrook	RECHE	FALLBROOK	LOS AMIGOS	Local	0.08	Light Collector	2.2E	\$0.00	2.2B	\$0.27	Y	\$0.27
North	Fallbrook	RECHE	LOS AMIGOS	GREEN CANYON	Local	0.17	Light Collector	2.2E	\$0.00	2.2B	\$0.58	Y	\$0.58
North	Fallbrook	RICE CANYON	ZONE CONNECTOR	HUNTLEY	Local	0.33	Light Collector	2.2F	\$0.16	2.2F	\$0.16	N	\$0.00
North	Fallbrook	RICE CANYON	HUNTLEY	ZONE CONNECTOR	Local	0.59	Light Collector	2.2F	\$0.29	2.2F	\$0.29	N	\$0.00
North	Fallbrook	RICE CANYON	ZONE CONNECTOR	PALA	Local	0.53	Light Collector	2.2F	\$0.26	2.2F	\$0.26	N	\$0.00
North	Fallbrook	STAGE COACH	MISSION	GUM TREE	Local	0.07	Light Collector	2.2E	\$0.00	2.2B	\$0.24	Y	\$0.24
North	Fallbrook	STAGE COACH	GUM TREE	ZONE CONNECTOR	Local	0.17	Light Collector	2.2E	\$0.00	2.2B	\$0.58	Y	\$0.58
North	Fallbrook	STAGE COACH	ZONE CONNECTOR	ALVARADO	Local	0.21	Light Collector	2.2E	\$0.00	2.2B	\$0.71	Y	\$0.71
North	Fallbrook	STAGE COACH	ALVARADO	FALLBROOK	Local	0.38	Light Collector	2.2E	\$0.00	2.2B	\$1.29	Y	\$1.29
North	Fallbrook	STAGE COACH	FALLBROOK	ZONE CONNECTOR	Local	0.25	Light Collector	2.2E	\$0.00	2.2B	\$0.85	Y	\$0.85
North	Fallbrook	STAGE COACH	ZONE CONNECTOR	RECHE	Local	0.25	Light Collector	2.2E	\$0.00	2.2B	\$0.85	Y	\$0.85
North	Fallbrook	STEWART CANYON	RAMP I-15 SB	RAMP I-15 NB	Regional	0.13	Light Collector	2.2E	\$0.00	4.1B	\$0.92	Y	\$0.92
North	Fallbrook	STEWART CANYON	RAMP I-15 NB	UNKNOWN	Regional	0.08	Light Collector	2.2E	\$0.00	4.1B	\$0.56	Y	\$0.56
North	Fallbrook	STEWART CANYON	UNKNOWN	PANKEY	Regional	0.65	Light Collector	2.2E	\$0.00	4.2A	\$7.13	Y	\$7.13

**Appendix E -Mobility Element Improvements Costs for Both TIF and Non-TIF Improvements**

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
North	Fallbrook	VIA ENCINAS	MISSION	UNKNOWN	Local	0.21	Light Collector	2.2F	\$0.10	2.2F	\$0.10	N	\$0.00
North	Fallbrook	VIA ENCINAS	UNKNOWN	KNOTTWOOD/ENCINA	Local	0.17	Light Collector	2.2F	\$0.08	2.2F	\$0.08	N	\$0.00
North	Fallbrook	YUCCA	ZONE CONNECTOR	LIVE OAK PARK	Local	0.92	Light Collector	2.2F	\$0.45	2.2F	\$0.45	N	\$0.00
North	Fallbrook	YUCCA	RECHE	ZONE CONNECTOR	Local	0.77	Light Collector	2.2F	\$0.37	2.2F	\$0.37	N	\$0.00
North	North County Metro	AVNDA DEL DIABLO	ZONE CONNECTOR	COUNTRY CLUB	Local	0.13	New	2.1C	\$1.60	2.1C	\$1.60	N	\$0.00
North	North County Metro	AVNDA DEL DIABLO	HARMONY GROVE	ZONE CONNECTOR	Local	0.14	New	2.1C	\$1.72	2.1C	\$1.72	N	\$0.00
North	North County Metro	AVNDA DEL DIABLO	CITRACADO	HARMONY GROVE	Local	0.25	New	2.1C	\$3.07	2.1C	\$3.07	N	\$0.00
North	North County Metro	BEAR VALLEY	BOYLE	BIRCH	RAS	0.26	Light Collector	4.1B	\$1.83	4.1A	\$2.96	Y	\$1.12
North	North County Metro	BEAR VALLEY	BIRCH	IDAHO	RAS	0.15	Light Collector	4.1B	\$1.06	4.1A	\$1.71	Y	\$0.65
North	North County Metro	BEAR VALLEY	IDAHO	LANDAVO	RAS	0.11	Light Collector	4.1B	\$0.78	4.1A	\$1.25	Y	\$0.47
North	North County Metro	BEAR VALLEY	LANDAVO	SUBURBAN HILLS	RAS	0.14	Light Collector	4.1B	\$0.99	4.1A	\$1.59	Y	\$0.60
North	North County Metro	BEAR VALLEY	SUBURBAN HILLS	SAN PASQUAL VALLEY	RAS	0.21	Light Collector	4.1B	\$1.48	4.1A	\$2.39	Y	\$0.91
North	North County Metro	BEAR VALLEY	SAN PASQUAL VALLEY	ELDORADO	RAS	0.42	Light Collector	4.1A	\$4.78	4.1A	\$4.78	N	\$0.00
North	North County Metro	BEAR VALLEY	ELDORADO	ENCINO	RAS	0.21	Light Collector	4.1B	\$1.48	4.1A	\$2.39	Y	\$0.91
North	North County Metro	BEAR VALLEY	SUNSET	OLD SPANISH	RAS	0.03	Light Collector	4.1B	\$0.21	4.1A	\$0.34	Y	\$0.13
North	North County Metro	BEAR VALLEY	SUNSET	OLD SPANISH	RAS	0.06	Light Collector	4.1B	\$0.42	4.1A	\$0.68	Y	\$0.26
North	North County Metro	BEAR VALLEY	SUNSET	OLD SPANISH	RAS	0.09	Light Collector	4.1B	\$0.64	4.1A	\$1.02	Y	\$0.39
North	North County Metro	BUENA CREEK	SYCAMORE	SYCAMORE	RAS	0.02	Light Collector	4.1B	\$0.14	4.1B	\$0.14	N	\$0.00
North	North County Metro	BUENA CREEK	SYCAMORE	HARTWRIGHT	RAS	0.03	Light Collector	4.1B	\$0.21	4.1B	\$0.21	N	\$0.00
North	North County Metro	BUENA CREEK	HARTWRIGHT	ZONE CONNECTOR	RAS	0.70	Light Collector	4.1B	\$4.94	4.1B	\$4.94	N	\$0.00
North	North County Metro	BUENA CREEK	ZONE CONNECTOR	LONE OAK	RAS	0.17	Light Collector	4.1B	\$1.20	4.1B	\$1.20	N	\$0.00
North	North County Metro	BUENA CREEK	LONE OAK	MONTE VISTA	RAS	0.25	Light Collector	4.1B	\$1.76	4.1B	\$1.76	N	\$0.00
North	North County Metro	BUENA CREEK	MONTE VISTA	SUGARBUSH	RAS	0.61	Light Collector	4.1B	\$4.30	4.1B	\$4.30	N	\$0.00
North	North County Metro	BUENA CREEK	SUGARBUSH	HOLLYBERRY	RAS	0.08	Light Collector	4.1B	\$0.56	4.1B	\$0.56	N	\$0.00
North	North County Metro	BUENA CREEK	HOLLYBERRY	FREDAS HILL	RAS	0.28	Light Collector	4.1B	\$1.98	4.1B	\$1.98	N	\$0.00
North	North County Metro	BUENA CREEK	FREDAS HILL	LAS POSAS	RAS	0.50	Light Collector	4.1B	\$3.53	4.1B	\$3.53	N	\$0.00
North	North County Metro	BUENA CREEK	LAS POSAS	TAMARA	RAS	0.43	Town Collector	4.1B	\$1.60	4.1B	\$1.60	N	\$0.00
North	North County Metro	BUENA CREEK	TAMARA	SUNSHINE MTN	RAS	0.38	Town Collector	4.1B	\$1.42	4.1B	\$1.42	N	\$0.00
North	North County Metro	BUENA CREEK	SUNSHINE MTN	TWIN OAKS VALLEY	RAS	0.12	Town Collector	4.1B	\$0.45	4.1B	\$0.45	N	\$0.00
North	North County Metro	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.01	Town Collector	2.1A	\$0.01	4.1B	\$0.04	Y	\$0.03
North	North County Metro	CHAMPAGNE	UNKNOWN	LAWRENCE WELK	RAS	0.67	Town Collector	2.1A	\$0.59	4.1B	\$2.50	Y	\$1.91
North	North County Metro	CHAMPAGNE	LAWRENCE WELK	UNKNOWN	RAS	0.17	Town Collector	4.1B	\$0.63	4.1B	\$0.63	N	\$0.00
North	North County Metro	CHAMPAGNE	UNKNOWN	UNKNOWN	RAS	0.18	Town Collector	4.1B	\$0.67	4.1B	\$0.67	N	\$0.00
North	North County Metro	CHAMPAGNE	UNKNOWN	UNKNOWN	RAS	0.54	Town Collector	4.1B	\$2.01	4.1B	\$2.01	N	\$0.00
North	North County Metro	CHAMPAGNE	UNKNOWN	MOUNTAIN MEADOW	RAS	1.81	Town Collector	4.1B	\$6.75	4.1B	\$6.75	N	\$0.00
North	North County Metro	CITRACADO	KAUANA LOA	AVNDA DEL DIABLO	RAS	0.10	Light Collector	2.1A	\$0.41	4.1A	\$1.14	Y	\$0.73
North	North County Metro	CITRACADO	SCENIC TL	EUCALYPTUS	RAS	0.25	Light Collector	2.1A	\$1.02	4.1A	\$2.84	Y	\$1.82
North	North County Metro	CITRACADO	EUCALYPTUS	BERNARDO	RAS	0.24	Light Collector	2.1A	\$0.98	4.1A	\$2.73	Y	\$1.75
North	North County Metro	CITRACADO	EUCALYPTUS	BERNARDO	RAS	0.26	Light Collector	2.1A	\$1.06	4.1A	\$2.96	Y	\$1.89
North	North County Metro	CITRACADO	BERNARDO	RAMP I-15 SB	RAS	0.12	Light Collector	4.1B	\$0.85	4.1A	\$1.37	Y	\$0.52
North	North County Metro	CLOVERDALE	UNKNOWN	ZONE CONNECTOR	Local	0.02	New	2.2E	\$0.25	2.2E	\$0.25	N	\$0.00
North	North County Metro	DEER SPRINGS	MULBERRY	MARILYN	RAS	0.17	Light Collector	6.2	\$4.07	6.2	\$4.07	N	\$0.00
North	North County Metro	DEER SPRINGS	MARILYN	UNKNOWN	RAS	0.20	Light Collector	6.2	\$4.79	6.2	\$4.79	N	\$0.00
North	North County Metro	DEER SPRINGS	UNKNOWN	VISTA MERRIAM	RAS	0.17	Light Collector	6.2	\$4.07	6.2	\$4.07	N	\$0.00
North	North County Metro	DEER SPRINGS	VISTA MERRIAM	ZONE CONNECTOR	RAS	0.33	Light Collector	6.2	\$7.90	6.2	\$7.90	N	\$0.00
North	North County Metro	DEER SPRINGS	ZONE CONNECTOR	ZONE CONNECTOR	RAS	0.36	Light Collector	6.2	\$8.62	6.2	\$8.62	N	\$0.00
North	North County Metro	DEER SPRINGS	ZONE CONNECTOR	ZONE CONNECTOR	RAS	0.52	Light Collector	6.2	\$12.45	6.2	\$12.45	N	\$0.00
North	North County Metro	DEER SPRINGS	ZONE CONNECTOR	MESA ROCK	RAS	0.23	Light Collector	6.2	\$5.51	6.2	\$5.51	N	\$0.00
North	North County Metro	DEER SPRINGS	MESA ROCK	RAMP I-15 SB	RAS	0.05	Light Collector	6.2	\$1.20	6.2	\$1.20	N	\$0.00
North	North County Metro	EL NORTE	REES	NUTMEG/NORDAHL	RAS	0.39	Collector	4.1B	\$0.00	4.1A	\$1.88	Y	\$1.88
North	North County Metro	HARMONY GROVE	UNKNOWN	COUNTRY CLUB	Local	0.18	Light Collector	2.2E	\$0.00	2.2B	\$0.61	Y	\$0.61
North	North County Metro	HARMONY GROVE	ZONE CONNECTOR	UNKNOWN	Local	0.41	Light Collector	2.2E	\$0.00	2.2B	\$1.39	Y	\$1.39

**Appendix E -Mobility Element Improvements Costs for Both TIF and Non-TIF Improvements**

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
North	North County Metro	HARMONY GROVE	AVNDA DEL DIABLO	ZONE CONNECTOR	Local	0.04	Light Collector	2.2E	\$0.00	2.2B	\$0.14	Y	\$0.14
North	North County Metro	HARMONY GROVE	CITRACADO	AVNDA DEL DIABLO	Local	0.45	Light Collector	2.2E	\$0.00	2.2B	\$1.53	Y	\$1.53
North	North County Metro	LAKE WOHLFORD	OAKVALE	FOXLEY	RAS	0.35	Light Collector	2.2F	\$0.17	2.2F	\$0.17	N	\$0.00
North	North County Metro	LAKE WOHLFORD	OAKVALE	FOXLEY	RAS	0.46	Light Collector	2.2F	\$0.22	2.2F	\$0.22	N	\$0.00
North	North County Metro	LAKE WOHLFORD	ZONE CONNECTOR	OAKVALE	RAS	0.73	Light Collector	2.2F	\$0.35	2.2F	\$0.35	N	\$0.00
North	North County Metro	LAKE WOHLFORD	GUEJITO	ZONE CONNECTOR	RAS	1.84	Light Collector	2.2F	\$0.89	2.2F	\$0.89	N	\$0.00
North	North County Metro	LAKE WOHLFORD	WOODS VALLEY	GUEJITO	RAS	0.10	Light Collector	2.2F	\$0.05	2.2F	\$0.05	N	\$0.00
North	North County Metro	LAS POSAS	BUENA CREEK	LA CIENEGA	RAS	0.46	New	2.2C	\$5.87	2.2C	\$5.87	N	\$0.00
North	North County Metro	LAS POSAS	LA CIENEGA	ZONE CONNECTOR	RAS	0.53	New	2.2C	\$6.76	2.2C	\$6.76	N	\$0.00
North	North County Metro	MAR VISTA	BUENA VISTA DR	CANNON	RAS	0.28	New	2.2E	\$3.57	2.2B	\$4.54	Y	\$0.97
North	North County Metro	MONTE VISTA	UNKNOWN	FOOTHILL	Regional	0.32	Light Collector	2.2E	\$0.00	4.1B	\$2.26	Y	\$2.26
North	North County Metro	MONTE VISTA	FOOTHILL	LA RUEDA	Regional	0.23	Light Collector	4.1B	\$1.62	4.1B	\$1.62	N	\$0.00
North	North County Metro	MONTE VISTA	LA RUEDA	BUENA CREEK	Regional	0.32	Light Collector	4.1B	\$2.26	4.1B	\$2.26	N	\$0.00
North	North County Metro	MOUNTAIN MEADOW	RAMP I-15 SB	RAMP I-15 NB	RAS	0.15	Light Collector	4.1B	\$1.06	4.1B	\$1.06	N	\$0.00
North	North County Metro	MOUNTAIN MEADOW	RAMP I-15 NB	CHAMPAGNE	RAS	0.07	Light Collector	4.1B	\$0.49	4.1B	\$0.49	N	\$0.00
North	North County Metro	MOUNTAIN MEADOW	LEGEND ROCK	NORTH BROADWAY	RAS	1.28	New	2.1D	\$15.71	2.1D	\$15.71	N	\$0.00
North	North County Metro	MOUNTAIN MEADOW	NORTH BROADWAY	ZONE CONNECTOR	RAS	0.58	New	2.1D	\$7.12	2.1D	\$7.12	N	\$0.00
North	North County Metro	MOUNTAIN MEADOW	UNKNOWN	ZONE CONNECTOR	RAS	0.15	New	2.1D	\$1.84	2.1D	\$1.84	N	\$0.00
North	North County Metro	MTN VIEW	ZONE CONNECTOR	CLOVERDALE	Local	0.49	New	2.2E	\$6.25	2.2E	\$6.25	N	\$0.00
North	North County Metro	N CENTRE CITY	CHAMPAGNE	PROTEA GARDENS	RAS	0.20	Light Collector	2.2C	\$0.00	4.1B	\$1.41	Y	\$1.41
North	North County Metro	N CENTRE CITY	PROTEA GARDENS	JESMOND DENE	RAS	0.37	Light Collector	2.2C	\$0.00	4.1B	\$2.61	Y	\$2.61
North	North County Metro	N CENTRE CITY	JESMOND DENE	MESA ROCK	RAS	1.26	Light Collector	4.1B	\$8.89	4.1B	\$8.89	N	\$0.00
North	North County Metro	N CENTRE CITY	MESA ROCK	IVY DELL	RAS	0.35	Light Collector	4.1B	\$2.47	4.1B	\$2.47	N	\$0.00
North	North County Metro	N CENTRE CITY	IVY DELL	CENTRE CITY	RAS	0.26	Light Collector	4.1B	\$1.83	4.1B	\$1.83	N	\$0.00
North	North County Metro	NORDAHL	NUTMEG/NORDAHL	ZONE CONNECTOR	RAS	0.17	Light Collector	4.1B	\$1.20	4.1B	\$1.20	N	\$0.00
North	North County Metro	NORDAHL	ZONE CONNECTOR	ROCK SPRINGS	RAS	0.28	Light Collector	4.1B	\$1.98	4.1B	\$1.98	N	\$0.00
North	North County Metro	NORDAHL	ROCK SPRINGS	KNOB HILL	RAS	0.31	Light Collector	4.1B	\$2.19	4.1B	\$2.19	N	\$0.00
North	North County Metro	NORTH BROADWAY	MOUNTAIN MEADOW	REIDY CANYON	Local	0.24	New	2.1D	\$2.95	2.1D	\$2.95	N	\$0.00
North	North County Metro	ROCK SPRINGS	ZONE CONNECTOR	BENNETT	Regional	0.01	Light Collector	4.1B	\$0.07	4.1B	\$0.07	N	\$0.00
North	North County Metro	ROCK SPRINGS	BENNETT	REES	Regional	0.26	Light Collector	4.1B	\$1.83	4.1B	\$1.83	N	\$0.00
North	North County Metro	ROCK SPRINGS	REES	UNNAMED 9F	Regional	0.23	Light Collector	4.1B	\$1.62	4.1B	\$1.62	N	\$0.00
North	North County Metro	ROCK SPRINGS	UNNAMED 9F	NORDAHL	Regional	0.20	Light Collector	4.1B	\$1.41	4.1B	\$1.41	N	\$0.00
North	North County Metro	ROCK SPRINGS	NORDAHL	ZONE CONNECTOR	Regional	0.25	Light Collector	2.2C	\$0.00	4.1B	\$1.76	Y	\$1.76
North	North County Metro	ROCK SPRINGS	ZONE CONNECTOR	DEODAR	Regional	0.10	Light Collector	2.2C	\$0.00	4.1B	\$0.71	Y	\$0.71
North	North County Metro	ROCK SPRINGS	DEODAR	MONTIEL	Regional	0.08	Light Collector	2.1A	\$0.33	4.1B	\$0.56	Y	\$0.24
North	North County Metro	ROCK SPRINGS	MONTIEL	SEVEN OAKES	Regional	0.05	Light Collector	2.1A	\$0.20	4.1B	\$0.35	Y	\$0.15
North	North County Metro	ROCK SPRINGS	SEVEN OAKES	BORDEN	Regional	0.05	Light Collector	2.1A	\$0.20	4.1B	\$0.35	Y	\$0.15
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.03	Town Collector	4.1B	\$0.11	4.1B	\$0.11	N	\$0.00
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.04	Town Collector	4.1B	\$0.15	4.1B	\$0.15	N	\$0.00
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.08	Town Collector	4.1B	\$0.30	4.1B	\$0.30	N	\$0.00
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.09	Town Collector	4.1B	\$0.34	4.1B	\$0.34	N	\$0.00
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.09	Town Collector	4.1B	\$0.34	4.1B	\$0.34	N	\$0.00
North	North County Metro	SAN PASQUAL	ZERMATT	VIA RANCHO	Regional	0.17	Town Collector	4.1B	\$0.63	4.1B	\$0.63	N	\$0.00
North	North County Metro	SAN PASQUAL VALLEY	BIRCH/RANRIDO	IDAHO	State	0.42	Light Collector	4.1B	\$2.96	4.1B	\$2.96	N	\$0.00
North	North County Metro	SAN PASQUAL VALLEY	IDAHO	17TH	State	0.34	Light Collector	4.1B	\$2.40	4.1B	\$2.40	N	\$0.00
North	North County Metro	SAN PASQUAL VALLEY	17TH	BEAR VALLEY	State	0.44	Light Collector	2.2C	\$0.00	4.1B	\$3.11	Y	\$3.11
North	North County Metro	SAN PASQUAL VALLEY	BEAR VALLEY	CITRUS	State	0.08	Light Collector	2.2C	\$0.00	4.1A	\$0.91	Y	\$0.91
North	North County Metro	SAN PASQUAL VALLEY	CITRUS	SUMMIT	State	0.23	Light Collector	2.2C	\$0.00	4.1A	\$2.62	Y	\$2.62
North	North County Metro	SAN PASQUAL VALLEY	SUMMIT	TEEPEE	State	0.44	Light Collector	2.2C	\$0.00	4.1A	\$5.01	Y	\$5.01
North	North County Metro	SAN PASQUAL VALLEY	TEEPEE	HIGHGROVE	State	0.10	Town Collector	2.2C	\$0.00	4.1A	\$0.80	Y	\$0.80
North	North County Metro	SAN PASQUAL VALLEY	HIGHGROVE	OLD SAN PASQUAL	State	0.11	Town Collector	2.2C	\$0.00	4.1A	\$0.88	Y	\$0.88
North	North County Metro	SMILAX	OLEANDER	MIMOSA	Regional	0.31	New	4.1B	\$6.37	4.1B	\$6.37	N	\$0.00

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Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
North	North County Metro	SOUTH SANTA FE	MONTGOMERY	ZONE CONNECTOR	RAS	0.45	Light Collector	4.1B	\$3.18	4.1A	\$5.12	Y	\$1.94
North	North County Metro	SOUTH SANTA FE	ZONE CONNECTOR	YORK	RAS	0.05	Light Collector	4.1B	\$0.35	4.1A	\$0.57	Y	\$0.22
North	North County Metro	SOUTH SANTA FE	YORK	WOODLAND	RAS	0.06	Light Collector	4.1B	\$0.42	4.1A	\$0.68	Y	\$0.26
North	North County Metro	SOUTH SANTA FE	WOODLAND	TIBER	RAS	0.09	Light Collector	4.1B	\$0.64	4.1A	\$1.02	Y	\$0.39
North	North County Metro	SOUTH SANTA FE	TIBER	ROBELINI	RAS	0.18	Light Collector	4.1B	\$1.27	4.1A	\$2.05	Y	\$0.78
North	North County Metro	SOUTH SANTA FE	ROBELINI	BUENA CREEK	RAS	0.08	Light Collector	4.1B	\$0.56	4.1A	\$0.91	Y	\$0.35
North	North County Metro	SOUTH SANTA FE	BUENA CREEK	ZONE CONNECTOR	RAS	0.07	Light Collector	4.1B	\$0.49	4.1A	\$0.80	Y	\$0.30
North	North County Metro	SOUTH SANTA FE	ZONE CONNECTOR	PALMYRA	RAS	0.11	Light Collector	4.1B	\$0.78	4.1A	\$1.25	Y	\$0.47
North	North County Metro	SOUTH SANTA FE	PALMYRA	AZALEA	RAS	0.20	Light Collector	4.1B	\$1.41	4.1A	\$2.28	Y	\$0.86
North	North County Metro	SOUTH SANTA FE	AZALEA	POINSETTIA	RAS	0.14	Light Collector	4.1B	\$0.99	4.1A	\$1.59	Y	\$0.60
North	North County Metro	SOUTH SANTA FE	POINSETTIA	2430/2503	RAS	0.19	Light Collector	4.1B	\$1.34	4.1A	\$2.16	Y	\$0.82
North	North County Metro	SOUTH SANTA FE	2430/2503	SMILAX	RAS	0.11	Light Collector	4.1B	\$0.78	4.1A	\$1.25	Y	\$0.47
North	North County Metro	SYCAMORE	BUENA CREEK	UNKNOWN	RAS	0.11	Light Collector	6.2	\$2.63	6.2	\$2.63	N	\$0.00
North	North County Metro	SYCAMORE	UNKNOWN	ROBELINI	RAS	0.14	Light Collector	6.2	\$3.35	6.2	\$3.35	N	\$0.00
North	North County Metro	SYCAMORE	ROBELINI	LOBELIA	RAS	0.01	Light Collector	6.2	\$0.24	6.2	\$0.24	N	\$0.00
North	North County Metro	VALLEY	CLAUDAN	VIA RANCHO	RAS	0.05	Light Collector	4.1A	\$0.57	4.1A	\$0.57	N	\$0.00
North	North County Metro	VIA RANCHO	DEL DIOS	LAKE	RAS	0.06	Light Collector	2.2E	\$0.00	4.1A	\$0.68	Y	\$0.68
North	North County Metro	VIA RANCHO	LAKE	HIGHLANDS WEST	RAS	0.20	Light Collector	2.2E	\$0.00	4.1A	\$2.28	Y	\$2.28
North	North County Metro	VIA RANCHO	HIGHLANDS WEST	EUCALYPTUS	RAS	0.49	Light Collector	2.2E	\$0.00	4.1A	\$5.57	Y	\$5.57
North	North County Metro	VIA RANCHO	EUCALYPTUS	VIA LOMA VISTA	RAS	0.57	Light Collector	2.2E	\$0.00	4.1A	\$6.48	Y	\$6.48
North	North County Metro	VIA RANCHO	VIA LOMA VISTA	FELICITA	RAS	0.74	Light Collector	2.2C	\$0.00	4.1A	\$8.42	Y	\$8.42
North	North County Metro	VIA RANCHO	FELICITA	MONTESANO	RAS	0.13	Light Collector	4.1B	\$0.92	4.1A	\$1.48	Y	\$0.56
North	North County Metro	VIA RANCHO	OLD PASQUAL	VIENTO VALLE	Regional	0.28	Light Collector	2.1A	\$1.15	4.1B	\$1.98	Y	\$0.83
North	North County Metro	VIA RANCHO	VIENTO VALLE	SAN PASQUAL	Regional	0.07	Light Collector	2.1A	\$0.29	4.1B	\$0.49	Y	\$0.21
North	Pala-Pauma	COLE GRADE NEW	SR-76	UNKNOWN	Local	1.09	New	2.3B	\$13.08	2.3B	\$13.08	N	\$0.00
North	Pala-Pauma	COLE GRADE NEW	UNKNOWN	SR-76	Local	1.04	New	2.3B	\$12.48	2.3B	\$12.48	N	\$0.00
North	Pendleton-De Luz	CHRISTIANITOS	CAMP TALEGA	TENAJA TRUCK	Local	0.17	New	2.2E	\$2.17	2.2E	\$2.17	N	\$0.00
North	San Dieguito	CAM DEL NORTE	SF 1407	4SR	RAS	0.29	Major	4.1A	\$0.00	6.2	\$2.21	N	
North	San Dieguito	CAM DEL NORTE	4SR	DOVE CANYON	RAS	0.25	Major	4.1A	\$0.00	6.2	\$1.91	N	
North	San Dieguito	EL APAJO	VIA DE LA VALLE	VIA DE SANTA FE	Local	0.33	New	2.1A	\$4.61	2.1A	\$4.61	N	\$0.00
North	San Dieguito	EL APAJO	VIA DE SANTA FE	SAN DIEGUITO	Local	0.57	Light Collector	2.2C	\$0.00	2.1A	\$2.33	Y	\$2.33
North	San Dieguito	EL CAMINO DEL NORTE	VAL SERENO	LAS MONTANAS	Local	0.62	Light Collector	2.2F	\$0.30	2.2F	\$0.30	N	\$0.00
North	San Dieguito	EL CAMINO DEL NORTE	LAS MONTANAS	VIA DE SUENO	Local	0.19	Light Collector	2.2F	\$0.09	2.2F	\$0.09	N	\$0.00
North	San Dieguito	EL CAMINO DEL NORTE	VIA DE SUENO	VIA DE FORTUNA	Local	0.17	Light Collector	2.2F	\$0.08	2.2F	\$0.08	N	\$0.00
North	San Dieguito	EL CAMINO DEL NORTE	VIA DE FORTUNA	VIA ROSWITHA	Local	0.41	Light Collector	2.2F	\$0.20	2.2F	\$0.20	N	\$0.00
North	San Dieguito	EL CAMINO DEL NORTE	VIA ROSWITHA	ZONE CONNECTOR	Local	0.14	Light Collector	2.2F	\$0.07	2.2F	\$0.07	N	\$0.00
North	San Dieguito	EL CAMINO DEL NORTE	ZONE CONNECTOR	LAGO VISTA	Local	0.61	Light Collector	2.2F	\$0.30	2.2F	\$0.30	N	\$0.00
North	San Dieguito	EL CAMINO DEL NORTE	LAGO VISTA	LAGO LINDO	Local	0.07	Light Collector	2.2F	\$0.03	2.2F	\$0.03	N	\$0.00
North	San Dieguito	EL CAMINO DEL NORTE	LAGO LINDO	ALISO CANYON	Local	0.11	Light Collector	2.2F	\$0.05	2.2F	\$0.05	N	\$0.00
North	San Dieguito	EL CAMINO DEL NORTE	ALISO CANYON	RANCHO CIELO	Local	0.14	Light Collector	2.2F	\$0.07	2.2F	\$0.07	N	\$0.00
North	San Dieguito	EL CAMINO DEL NORTE	RANCHO CIELO	UNKNOWN	Local	0.18	Light Collector	2.2F	\$0.09	2.2F	\$0.09	N	\$0.00
North	San Dieguito	EL CAMINO DEL NORTE	UNKNOWN	DEL DIOS ROUNDABOUT	Local	0.24	Light Collector	2.2F	\$0.12	2.2F	\$0.12	N	\$0.00
North	San Dieguito	EL CAMINO DEL NORTE	DEL DIOS ROUNDABOUT	DEL DIOS/PS DELICIAS	Local	0.06	Light Collector	2.2F	\$0.03	2.2F	\$0.03	N	\$0.00
North	San Dieguito	EL CAMINO REAL	LA NORIA	UNKNOWN	Local	0.09	Light Collector	2.2F	\$0.04	2.2F	\$0.04	N	\$0.00
North	San Dieguito	EL CAMINO REAL	LA NORIA	UNKNOWN	Local	0.08	Light Collector	2.2F	\$0.04	2.2F	\$0.04	N	\$0.00
North	San Dieguito	EL CAMINO REAL	LA NORIA	UNKNOWN	Local	0.83	Light Collector	2.2F	\$0.40	2.2F	\$0.40	N	\$0.00
North	San Dieguito	EL CAMINO REAL	UNKNOWN	HIGHLAND	Local	0.34	Light Collector	2.2F	\$0.16	2.2F	\$0.16	N	\$0.00
North	San Dieguito	EL CAMINO REAL	HIGHLAND	LINEA DEL CIELO	Local	0.69	Light Collector	2.2F	\$0.33	2.2F	\$0.33	N	\$0.00
North	San Dieguito	EL CAMINO REAL	LINEA DEL CIELO	ZONE CONNECTOR	Local	0.48	Light Collector	2.2F	\$0.23	2.2F	\$0.23	N	\$0.00
North	San Dieguito	EL CAMINO REAL	ZONE CONNECTOR	LADERA SARINA	Local	0.31	New	2.2F	\$3.04	2.2F	\$3.04	N	\$0.00
North	San Dieguito	EL CAMINO REAL	LADERA SARINA	RANCHO DEL MADISON	Local	0.35	Light Collector	2.2F	\$0.17	2.2F	\$0.17	N	\$0.00
North	San Dieguito	LA BAJADA	EL MIRLO	LA NORIA	Local	0.29	Light Collector	2.2F	\$0.14	2.2F	\$0.14	N	\$0.00

**Appendix E -Mobility Element Improvements Costs for Both TIF and Non-TIF Improvements**

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
North	San Dieguito	LA BAJADA	LA NORIA	LOS MORROS	Local	0.24	Light Collector	2.2F	\$0.12	2.2F	\$0.12	N	\$0.00
North	San Dieguito	LA GRANADA	LOS MORROS	SAN ELIJO	Local	0.14	Light Collector	2.2F	\$0.07	2.2F	\$0.07	N	\$0.00
North	San Dieguito	LA GRANADA	SAN ELIJO	RAMBLA DE LAS FLORES	Local	0.03	Light Collector	2.2F	\$0.01	2.2F	\$0.01	N	\$0.00
North	San Dieguito	LA GRANADA	RAMBLA DE LAS FLORES	SOBRE LOS CERROS	Local	0.86	Light Collector	2.2F	\$0.42	2.2F	\$0.42	N	\$0.00
North	San Dieguito	LA GRANADA	SOBRE LOS CERROS	AVNDA DE ACACIAS	Local	0.48	Light Collector	2.2F	\$0.23	2.2F	\$0.23	N	\$0.00
North	San Dieguito	LA GRANADA	AVNDA DE ACACIAS	PASEO DELICIAS	Local	0.17	Light Collector	2.2F	\$0.08	2.2F	\$0.08	N	\$0.00
North	San Dieguito	LA NORIA	LA BAJADA	EL PUENTE	Local	0.78	Light Collector	2.2F	\$0.38	2.2F	\$0.38	N	\$0.00
North	San Dieguito	LINEA DEL CIELO	PASEO DELICIAS	EL SECRETO	Local	0.59	Light Collector	2.2F	\$0.29	2.2F	\$0.29	N	\$0.00
North	San Dieguito	LINEA DEL CIELO	EL SECRETO	ZONE CONNECTOR	Local	0.39	Light Collector	2.2F	\$0.19	2.2F	\$0.19	N	\$0.00
North	San Dieguito	LINEA DEL CIELO	ZONE CONNECTOR	RAMBLA DE LAS FLORES	Local	0.53	Light Collector	2.2F	\$0.26	2.2F	\$0.26	N	\$0.00
North	San Dieguito	LINEA DEL CIELO	RAMBLA DE LAS FLORES	LAS PLANIDERAS	Local	0.57	Light Collector	2.2F	\$0.28	2.2F	\$0.28	N	\$0.00
North	San Dieguito	LINEA DEL CIELO	LAS PLANIDERAS	EL CAMINO REAL	Local	0.11	Light Collector	2.2F	\$0.05	2.2F	\$0.05	N	\$0.00
North	San Dieguito	LINEA DEL CIELO	EL CAMINO REAL	LOMAS SANTA FE	Local	0.40	Light Collector	2.2F	\$0.19	2.2F	\$0.19	N	\$0.00
North	San Dieguito	LOMAS SANTA FE	HIGHLAND	SUN VALLEY	Local	0.10	Light Collector	2.2F	\$0.05	2.2F	\$0.05	N	\$0.00
North	San Dieguito	LOMAS SANTA FE	SUN VALLEY	LINEA DEL CIELO	Local	0.45	Light Collector	2.2F	\$0.22	2.2F	\$0.22	N	\$0.00
North	San Dieguito	LOS MORROS	LA ENTRADA	LA GRANADA	Local	0.32	Light Collector	2.2F	\$0.16	2.2F	\$0.16	N	\$0.00
North	San Dieguito	PASEO DELICIAS	EL CAMINO DEL NORTE	DEL DIOS ROUNDABOUT	RAS	0.06	Light Collector	2.2A	\$0.29	2.2A	\$0.29	N	\$0.00
North	San Dieguito	PASEO DELICIAS	DEL DIOS ROUNDABOUT	DEL DIOS ROUNDABOUT	RAS	0.44	Light Collector	2.2A	\$2.15	2.2A	\$2.15	N	\$0.00
North	San Dieguito	PASEO DELICIAS	DEL DIOS ROUNDABOUT	LAVALLE PLATEADA	RAS	0.49	Light Collector	2.2A	\$2.40	2.2A	\$2.40	N	\$0.00
North	San Dieguito	PASEO DELICIAS	LAVALLE PLATEADA	DEL DIOS ROUNDABOUT	RAS	0.06	Light Collector	2.2A	\$0.29	2.2A	\$0.29	N	\$0.00
North	San Dieguito	PASEO DELICIAS	DEL DIOS ROUNDABOUT	LA GRANADA	RAS	0.20	Light Collector	2.2A	\$0.98	2.2A	\$0.98	N	\$0.00
North	San Dieguito	PASEO DELICIAS	LA GRANADA	LINEA DEL CIELO	RAS	0.08	Light Collector	2.2E	\$0.00	2.2A	\$0.39	Y	\$0.39
North	San Dieguito	RANCHO SANTA FE	ZONE CONNECTOR	EL MIRLO	Local	0.17	Light Collector	2.2F	\$0.08	2.2F	\$0.08	N	\$0.00
North	San Dieguito	SAN DIEGUITO	UNKNOWN	CAM SANTA FE	Regional	0.02	Light Collector	2.2E	\$0.00	4.1A	\$0.23	Y	\$0.23
North	San Dieguito	SAN DIEGUITO	EL APAJO	UNKNOWN	Regional	0.08	Light Collector	2.2E	\$0.00	4.1A	\$0.91	Y	\$0.91
North	San Dieguito	SAN DIEGUITO	VIA DOS VALLES	EL APAJO	Local	0.74	Light Collector	2.1A	\$3.03	2.1A	\$3.03	N	\$0.00
North	San Dieguito	SAN DIEGUITO	ZONE CONNECTOR	VIA DOS VALLES	Local	0.85	Light Collector	2.1A	\$3.48	2.1A	\$3.48	N	\$0.00
North	San Dieguito	VIA DE LA VALLE	14906	EL CAMINO REAL	RAS	0.14	Light Collector	2.1B	\$0.51	2.1B	\$0.51	N	\$0.00
North	Valley Center	ANTHONY	WEST LILAC	UNKNOWN	Local	0.48	New	2.2C	\$6.12	2.2C	\$6.12	N	\$0.00
North	Valley Center	ANTHONY	UNKNOWN	UNKNOWN	Local	1.28	New	2.2C	\$16.33	2.2C	\$16.33	N	\$0.00
North	Valley Center	ANTHONY	UNKNOWN	LILAC	Local	0.81	New	2.2C	\$10.33	2.2C	\$10.33	N	\$0.00
North	Valley Center	CHAMPAGNE	GOPHER CANYON	OLD CASTLE	RAS	0.16	Light Collector	4.1B	\$1.13	4.1B	\$1.13	N	\$0.00
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.01	Town Collector	2.1A	\$0.01	4.1B	\$0.04	Y	\$0.03
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.02	Town Collector	2.1A	\$0.02	4.1B	\$0.07	Y	\$0.06
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.03	Town Collector	2.1A	\$0.03	4.1B	\$0.11	Y	\$0.09
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.04	Town Collector	2.1A	\$0.04	4.1B	\$0.15	Y	\$0.11
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.05	Town Collector	2.1A	\$0.04	4.1B	\$0.19	Y	\$0.14
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.05	Town Collector	2.1A	\$0.04	4.1B	\$0.19	Y	\$0.14
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.07	Town Collector	2.1A	\$0.06	4.1B	\$0.26	Y	\$0.20
North	Valley Center	CHAMPAGNE	OLD CASTLE	UNKNOWN	RAS	0.09	Town Collector	2.1A	\$0.08	4.1B	\$0.34	Y	\$0.26
North	Valley Center	COLE GRADE	FRUITVALE	JAKE	RAS	0.35	Light Collector	2.2E	\$0.00	4.2A	\$3.84	Y	\$3.84
North	Valley Center	COLE GRADE	JAKE	ZONE CONNECTOR	RAS	0.13	Light Collector	2.2E	\$0.00	4.2A	\$1.43	Y	\$1.43
North	Valley Center	COLE GRADE	ZONE CONNECTOR	VALLEY CENTER	RAS	0.19	Light Collector	2.2E	\$0.00	4.2A	\$2.08	Y	\$2.08
North	Valley Center	CYPRESS	LILAC	ZONE CONNECTOR	Regional	0.39	Light Collector	4.2B	\$2.77	4.2B	\$2.77	N	\$0.00
North	Valley Center	CYPRESS	ZONE CONNECTOR	CHARLAN	Regional	0.38	Light Collector	4.2B	\$2.70	4.2B	\$2.70	N	\$0.00
North	Valley Center	GLEN	UNKNOWN	ANTHONY	Local	1.42	New	2.2C	\$18.12	2.2C	\$18.12	N	\$0.00
North	Valley Center	GLEN	UNKNOWN	UNKNOWN	Local	1.01	New	2.2C	\$12.89	2.2C	\$12.89	N	\$0.00
North	Valley Center	GLEN	UNKNOWN	UNKNOWN	Local	0.24	New	2.2C	\$3.06	2.2C	\$3.06	N	\$0.00
North	Valley Center	GLEN	PAUMA HEIGHTS	UNKNOWN	Local	0.87	New	2.2C	\$11.10	2.2C	\$11.10	N	\$0.00
North	Valley Center	LILAC	ANTHONY	UNKNOWN	Regional	0.43	Light Collector	2.2E	\$0.00	4.2B	\$3.06	Y	\$3.06
North	Valley Center	LILAC	UNKNOWN	BETSWORTH	Regional	0.97	Light Collector	2.2E	\$0.00	4.2B	\$6.89	Y	\$6.89
North	Valley Center	LILAC	BETSWORTH	CYPRESS	Regional	0.15	Light Collector	2.2E	\$0.00	4.2B	\$1.07	Y	\$1.07

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Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
North	Valley Center	LILAC	CYPRESS	VALLEY CENTER	Regional	0.15	Light Collector	4.2B	\$1.07	4.2B	\$1.07	N	\$0.00
North	Valley Center	MOUNTAIN MEADOW	ZONE CONNECTOR	UNKNOWN	RAS	0.43	New	2.1D	\$5.28	2.1D	\$5.28	N	\$0.00
North	Valley Center	MOUNTAIN MEADOW	UNKNOWN	UNKNOWN	RAS	0.06	New	2.1D	\$0.74	2.1D	\$0.74	N	\$0.00
North	Valley Center	MOUNTAIN MEADOW	UNKNOWN	UNKNOWN	RAS	0.60	New	2.1D	\$7.36	2.1D	\$7.36	N	\$0.00
North	Valley Center	MOUNTAIN MEADOW	UNKNOWN	UNKNOWN	RAS	0.01	New	2.1D	\$0.12	2.1D	\$0.12	N	\$0.00
North	Valley Center	MOUNTAIN MEADOW	UNKNOWN	UNKNOWN	RAS	0.43	New	2.1D	\$5.28	2.1D	\$5.28	N	\$0.00
North	Valley Center	MOUNTAIN MEADOW	UNKNOWN	FRACE	RAS	0.28	New	2.1D	\$3.44	2.1D	\$3.44	N	\$0.00
North	Valley Center	MOUNTAIN MEADOW	FRACE	ZONE CONNECTOR	RAS	0.72	New	2.1D	\$8.84	2.1D	\$8.84	N	\$0.00
North	Valley Center	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.01	Light Collector	2.2C	\$0.00	4.1B	\$0.07	Y	\$0.07
North	Valley Center	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.03	Light Collector	2.2C	\$0.00	4.1B	\$0.21	Y	\$0.21
North	Valley Center	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.05	Light Collector	2.2C	\$0.00	4.1B	\$0.35	Y	\$0.35
North	Valley Center	OLD 395	LILAC RIDGE	ZONE CONNECTOR	RAS	0.13	Light Collector	2.2C	\$0.00	4.1B	\$0.92	Y	\$0.92
North	Valley Center	OLD 395	LILAC RIDGE	CAM DEL REY	RAS	0.06	Light Collector	2.2C	\$0.00	4.1B	\$0.42	Y	\$0.42
North	Valley Center	OLD 395	LILAC RIDGE	CAM DEL REY	RAS	0.10	Light Collector	2.2C	\$0.00	4.1B	\$0.71	Y	\$0.71
North	Valley Center	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.05	Town Collector	4.1B	\$0.19	4.1B	\$0.19	N	\$0.00
North	Valley Center	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.08	Town Collector	4.1B	\$0.30	4.1B	\$0.30	N	\$0.00
North	Valley Center	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.11	Town Collector	4.1B	\$0.41	4.1B	\$0.41	N	\$0.00
North	Valley Center	OLD 395	CAM DEL REY	CIRCLE R	RAS	0.15	Town Collector	4.1B	\$0.56	4.1B	\$0.56	N	\$0.00
North	Valley Center	OLD 395	CIRCLE R	GOPHER CANYON	RAS	0.15	Light Collector	4.1B	\$1.06	4.1B	\$1.06	N	\$0.00
North	Valley Center	TURTLE ROCK	BALLARENA	COLE GRADE	Local	0.14	New	2.3B	\$1.68	2.3B	\$1.68	N	\$0.00
North	Valley Center	VALLEY CENTER	WILWHITE	VESPER	RAS	0.33	Light Collector	2.2C	\$0.00	4.2A	\$3.62	Y	\$3.62
North	Valley Center	VALLEY CENTER	VESPER	COLE GRADE	RAS	0.21	Light Collector	4.2A	\$2.30	4.2A	\$2.30	N	\$0.00
North	Valley Center	VILLA SIERRA	UNKNOWN	UNKNOWN	Local	0.97	New	2.3C	\$11.64	2.3C	\$11.64	N	\$0.00
North	Valley Center	VILLA SIERRA	UNKNOWN	UNKNOWN	Local	0.30	New	2.3C	\$3.60	2.3C	\$3.60	N	\$0.00
North	Valley Center	VILLA SIERRA	UNKNOWN	MACTAN	Local	0.30	New	2.3C	\$3.60	2.3C	\$3.60	N	\$0.00
North	Valley Center	WEST LILAC	ANTHONY	LILAC RIDGE	Local	0.09	Light Collector	2.2F	\$0.04	2.2F	\$0.04	N	\$0.00
North	Valley Center	WEST LILAC	LILAC RIDGE	ZONE CONNECTOR	Local	0.47	Light Collector	2.2F	\$0.23	2.2F	\$0.23	N	\$0.00
North	Valley Center	WEST LILAC	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.74	New	2.2F	\$7.25	2.2F	\$7.25	N	\$0.00
North	Valley Center	WEST LILAC	ZONE CONNECTOR	CIRCLE R	Local	0.60	Light Collector	2.2F	\$0.29	2.2F	\$0.29	N	\$0.00
North	Valley Center	WEST LILAC	CIRCLE R	LILAC HILLS	Local	0.44	Light Collector	2.2F	\$0.21	2.2F	\$0.21	N	\$0.00
North	Valley Center	WEST LILAC	LILAC HILLS	UNKNOWN	Local	0.97	Light Collector	2.2F	\$0.47	2.2F	\$0.47	N	\$0.00
North	Valley Center	WEST LILAC	UNKNOWN	LILAC	Local	0.42	Light Collector	2.2F	\$0.20	2.2F	\$0.20	N	\$0.00
East	Central Mountain	BOULDER CREEK	PINE HILLS	ENGINEERS	Local	0.28	Light Collector	2.2F	\$0.14	2.2F	\$0.14	N	\$0.00
East	Central Mountain	ENGINEERS	BOULDER CREEK	ZONE CONNECTOR	Local	1.08	Light Collector	2.2F	\$0.52	2.2F	\$0.52	N	\$0.00
East	Central Mountain	ENGINEERS	ZONE CONNECTOR	SR-79	Local	4.65	Light Collector	2.2F	\$2.26	2.2F	\$2.26	N	\$0.00
East	Central Mountain	JAPATUL VALLEY	RAMP I-8 EB	ALPINE	Local	0.07	Light Collector	2.2F	\$0.03	2.2F	\$0.03	N	\$0.00
East	Central Mountain	JAPATUL VALLEY	ALPINE	ZONE CONNECTOR	Local	0.46	Light Collector	2.2F	\$0.22	2.2F	\$0.22	N	\$0.00
East	Central Mountain	JAPATUL VALLEY	ZONE CONNECTOR	AVNDA DE LOS ARBOLES	Local	0.57	Light Collector	2.2F	\$0.28	2.2F	\$0.28	N	\$0.00
East	Desert	TILTING T	DI GIORGIO	MARKER	Local	0.63	Light Collector	2.2E	\$0.00	2.2B	\$2.14	Y	\$2.14
East	Desert	TILTING T	MARKER	BORREGO VALLEY	Local	0.62	Light Collector	2.2E	\$0.00	2.2B	\$2.10	Y	\$2.10
East	Julian	BOULDER CREEK	PINE HILLS	ENGINEERS	Local	2.59	Light Collector	2.2F	\$1.26	2.2F	\$1.26	N	\$0.00
East	Julian	FARMER	ZONE CONNECTOR	SR-78	Local	0.45	Light Collector	2.2F	\$0.22	2.2F	\$0.22	N	\$0.00
East	Julian	FARMER	ZONE CONNECTOR	ZONE CONNECTOR	Local	0.44	Light Collector	2.2F	\$0.21	2.2F	\$0.21	N	\$0.00
East	Julian	FARMER	WYNOLA	ZONE CONNECTOR	Local	1.30	Light Collector	2.2F	\$0.63	2.2F	\$0.63	N	\$0.00
East	Julian	PINE HILLS	EAGLE PEAK	UNKNOWN	Local	0.60	Light Collector	2.2F	\$0.29	2.2F	\$0.29	N	\$0.00
East	Julian	PINE HILLS	UNKNOWN	BOULDER CREEK	Local	1.13	Light Collector	2.2F	\$0.55	2.2F	\$0.55	N	\$0.00
East	Julian	PINE HILLS	SR-78	EAGLE PEAK	Local	1.58	Light Collector	2.2F	\$0.77	2.2F	\$0.77	N	\$0.00
East	Julian	WYNOLA	SR-78	UNKNOWN	Local	0.37	Light Collector	2.2F	\$0.18	2.2F	\$0.18	N	\$0.00
East	Julian	WYNOLA	UNKNOWN	FARMER	Local	2.94	Light Collector	2.2F	\$1.43	2.2F	\$1.43	N	\$0.00
East	Julian	WYNOLA	FARMER	SR-78	Local	0.79	Light Collector	2.2F	\$0.38	2.2F	\$0.38	N	\$0.00
East	Mountain Empire	LA POSTA	OLD 80	ZONE CONNECTOR	Local	1.57	Light Collector	2.2F	\$0.76	2.2F	\$0.76	N	\$0.00
East	Mountain Empire	LA POSTA	ZONE CONNECTOR	LA POSTA TRUCK	Local	1.22	Light Collector	2.2F	\$0.59	2.2F	\$0.59	N	\$0.00

**Appendix E - Mobility Element Improvements Costs for Both TIF and Non-TIF Improvements**

Sub-Region	CPA	Roadway	To	From	Facility Type	Length (Miles)	Existing Cross-Section	E+G Required Classification	E+G Improvement Total Cost	ME Classification	ME Improvement Total Cost	TIF Eligible?	TIF Cost
East	Mountain Empire	LA POSTA	LA POSTA TRUCK	ZONE CONNECTOR	Local	1.83	Light Collector	2.2F	\$0.89	2.2F	\$0.89	N	\$0.00
East	Mountain Empire	LA POSTA	ZONE CONNECTOR	SR-94	Local	1.27	Light Collector	2.2F	\$0.62	2.2F	\$0.62	N	\$0.00
East	Mountain Empire	TECATE	SR-94	ZONE CONNECTOR	State	0.56	Light Collector	2.2C	\$0.00	4.1A	\$6.37	Y	\$6.37
East	Mountain Empire	TECATE	ZONE CONNECTOR	ZONE CONNECTOR	State	0.91	Light Collector	2.2C	\$0.00	4.1A	\$10.35	Y	\$10.35
East	Mountain Empire	TECATE	ZONE CONNECTOR	ZONE CONNECTOR	State	0.24	Light Collector	2.2C	\$0.00	4.1A	\$2.73	Y	\$2.73
East	Mountain Empire	TECATE	ZONE CONNECTOR	ZONE CONNECTOR	State	0.15	Light Collector	2.2E	\$0.00	4.1A	\$1.71	Y	\$1.71
East	Ramona	ASH	ZONE CONNECTOR	SR-78	Local	1.05	New	2.1E	\$12.89	2.1E	\$12.89	N	\$0.00
East	Ramona	ASHLEY	CREELMAN	DYE	Local	0.25	New	2.3B	\$3.00	2.3B	\$3.00	N	\$0.00
East	Ramona	BOUNDARY	JULIAN	HUNTER	Local	0.79	New	2.2E	\$10.07	2.2E	\$10.07	N	\$0.00
East	Ramona	DYE	UNKNOWN	MUSSEY GRADE	RAS	0.60	New	2.1E	\$7.36	2.1E	\$7.36	N	\$0.00
East	Ramona	DYE	RAMONA	WARNOCK	RAS	0.70	New	2.2E	\$8.92	2.1C	\$8.59	N	\$0.00
East	Ramona	DYE	SAN VICENTE	UNKNOWN	RAS	0.25	New	2.2E	\$3.19	2.1C	\$3.07	N	\$0.00
East	Ramona	DYE	UNKNOWN	ASHLEY	RAS	0.25	New	2.2E	\$3.19	2.1C	\$3.07	N	\$0.00
East	Ramona	DYE	ASHLEY	KEYES	RAS	0.66	New	2.2E	\$8.41	2.1C	\$8.10	N	\$0.00
East	Ramona	HIGHLAND VALLEY	UNKNOWN	BANDY CANYON	Local	0.12	Light Collector	2.2E	\$0.00	2.2A	\$0.59	Y	\$0.59
East	Ramona	HIGHLAND VALLEY	UNKNOWN	BANDY CANYON	Local	0.70	Light Collector	2.2E	\$0.00	2.2A	\$3.43	Y	\$3.43
East	Ramona	HIGHLAND VALLEY	BANDY CANYON	PASEO PENASCO	Local	0.83	Light Collector	2.2E	\$0.00	2.2A	\$4.06	Y	\$4.06
East	Ramona	HIGHLAND VALLEY	PASEO PENASCO	RAMP SR125 SB	Local	0.67	Light Collector	2.2E	\$0.00	2.2A	\$3.28	Y	\$3.28
East	Ramona	HIGHLAND VALLEY	RAMP SR125 SB	RAMP SR125 NB	Local	0.08	Light Collector	2.2E	\$0.00	2.2A	\$0.39	Y	\$0.39
East	Ramona	HIGHLAND VALLEY	RAMP SR125 NB	SA 603	Local	1.11	Light Collector	2.2E	\$0.00	2.2A	\$5.43	Y	\$5.43
East	Ramona	HIGHLAND VALLEY	SA 603	SKY VALLEY	Local	1.23	Light Collector	2.2E	\$0.00	2.2A	\$6.02	Y	\$6.02
East	Ramona	HIGHLAND VALLEY	SKY VALLEY	ZONE CONNECTOR	Local	0.90	Light Collector	2.2E	\$0.00	2.2A	\$4.40	Y	\$4.40
East	Ramona	HIGHLAND VALLEY	ZONE CONNECTOR	SR-125 ACCESS	Local	0.22	Light Collector	2.2E	\$0.00	2.2A	\$1.08	Y	\$1.08
East	Ramona	HIGHLAND VALLEY	SR-125 ACCESS	ARCHIE MOORE	Local	0.76	Light Collector	2.2E	\$0.00	2.2A	\$3.72	Y	\$3.72
East	Ramona	JULIAN	DYE	MUSSEY GRADE	State	0.46	Town Collector	4.1B	\$1.72	4.1A	\$3.67	Y	\$1.96
East	Ramona	JULIAN	HIGHLAND VALLEY	DYE	State	0.12	Town Collector	4.1B	\$0.45	4.1A	\$0.96	Y	\$0.51
East	Ramona	JULIAN	ZONE CONNECTOR	HIGHLAND VALLEY	State	0.49	Town Collector	4.1B	\$1.83	4.1A	\$3.91	Y	\$2.08
East	Ramona	JULIAN	BOUNDARY	ZONE CONNECTOR	State	0.10	Town Collector	4.1B	\$0.37	4.1A	\$0.80	Y	\$0.43
East	Ramona	JULIAN	MAIN	BOUNDARY	State	0.47	Town Collector	4.1B	\$1.75	4.1A	\$3.75	Y	\$2.00
East	Ramona	KEYES	MAGNOLIA	ZONE CONNECTOR	RAS	0.56	New	2.1C	\$6.87	2.1C	\$6.87	N	\$0.00
East	Ramona	KEYES	ZONE CONNECTOR	OLD JULIAN	RAS	0.26	New	2.1C	\$3.19	2.1C	\$3.19	N	\$0.00
East	Ramona	MAIN	KALBAUGH	ETCHEVERRY	State	0.25	Town Collector	4.1B	\$0.93	4.1B	\$0.93	N	\$0.00
East	Ramona	SA 330	MONTECITO	ZONE CONNECTOR	Local	0.36	New	2.2E	\$4.59	2.2E	\$4.59	N	\$0.00
East	Ramona	SA 330	ZONE CONNECTOR	SAWDAY	Local	0.31	New	2.2E	\$3.95	2.2E	\$3.95	N	\$0.00
East	Ramona	SAWDAY	SA 330	JULIAN	Local	0.80	New	2.2E	\$10.20	2.2E	\$10.20	N	\$0.00
East	Ramona	SR-67	MUSSEY GRADE	ZONE CONNECTOR	State	0.44	Town Collector	4.1B	\$1.64	4.1A	\$3.51	Y	\$1.87
East	Ramona	SR-67	ZONE CONNECTOR	AIR MAIL	State	0.60	Town Collector	4.1B	\$2.24	4.1A	\$4.79	Y	\$2.55
East	Ramona	SR-67	AIR MAIL	UNKNOWN	State	0.58	Light Collector	4.1B	\$4.09	4.1A	\$6.60	Y	\$2.50
East	Ramona	SR-67	UNKNOWN	ARCHIE MOORE	State	0.69	Light Collector	4.1B	\$4.87	4.1A	\$7.85	Y	\$2.98